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FIFTEENTH (SIXTH BIENNIAL) REPORT

OF THE

Commissioners of Fisheries

AND

State Fish and Game Warden

OF THE

STATE OF WISCONSIN.

1893-1894.



MADISON, WISCONSIN:
DEMOCRAT PRINTING COMPANY, STATE PRINTER.
1895.

COMMISSIONERS.

| | |
|--|----------------|
| EDWIN E. BRYANT, <i>President</i> , | MADISON. |
| CALVERT SPENSLEY, <i>Secretary and Treasurer</i> , | MINERAL POINT. |
| A. V. H. CARPENTER, | MILWAUKEE, |
| JAMES J. HOGAN | LA CROSSE. |
| GEORGE F. PEABODY, | APPLETON. |
| RICHARD VALENTINE, | JANESVILLE. |

SUPERINTENDENT OF HATCHERIES.

| | |
|--------------|----------|
| JAMES NEVIN, | MADISON. |
|--------------|----------|

LETTER OF TRANSMITTAL.

To the Honorable, the Legislature of the State of Wisconsin:

We have the honor to transmit herewith as required by law the report to the legislature of the transactions of the commissioners of fisheries for the fiscal years 1893 and 1894, an account in detail of their receipts and expenditures for that period and of the spawn and fish received and distributed, with time and place thereof, and such other matters as we have deemed proper.

Very respectfully,

EDWIN E. BRYANT,
CALVERT SPENSLEY,
A. V. H. CARPENTER,
JAMES J. HOGAN,
GEORGE F. PEABODY,
RICHARD VALENTINE.

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COMMISSIONER'S REPORT.

To the Honorable, the Legislature:

The commissioners of fisheries of the state of Wisconsin, complying with the law, present here following a report of their transactions for the two years ending September 30, 1894. The report contains:

First:—A general statement of transactions.

Second:—A report of the World's Fair exhibit and the operations in preparing and maintaining it.

Third:—A statement of the distribution of fish from the hatcheries and the waters of the state.

Fourth:—A statement of appropriations and expenses of the several states permanently engaged in fish propagation and distribution.

Fifth:—Distribution of black bass and other bass, collected in the Mississippi river and elsewhere and planted in the inland lakes.

Sixth:—Statements as to miscellaneous matters.

Seventh:—Recommendations and suggestions as to the increase of the usefulness of the work of the commission.

Eighth:—Recommendations as to legislation to secure the better protection and preservation of fish.

Ninth:—An appendix of statistics relating to the fish products of the state and other cognate matters.

GENERAL STATEMENTS OF TRANSACTIONS.

The two years covered by this report have been years of increasing activity in the interest committed to the charge of the commissioners. As the beneficial results of stocking the waters of the state with fish artificially propagated become more apparent, the applications to the commission for distribution rapidly increase, taxing the capacity of production to its utmost. To

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meet the demand no pains have been spared; and the utmost that could be accomplished with the means at hand has been done.

The commissioners feel justified in the statement that in no years of its existence have more results been accomplished for the lasting benefit of the state, by its labors, than in the period covered by this report. This is due to the fact that the facilities and skill in propagation and distribution have been increased. The fish car has proved of great value in the work, enabling the commission to inaugurate the work of transplanting live wild fish. This is due also to the further fact that the utmost economy and frugality have been exercised in the effort to accomplish the largest results attainable with the fund placed in charge of the commission.

THE WORLD'S FAIR EXHIBIT.

The legislature in 1891 created a commission designated as the state board of world's fair managers of Wisconsin, whose duties were fully set forth in the act creating the commission. The sum of \$65,000 was appropriated to carry out the purposes of the act (chapter 433, laws of 1891). Of this sum, \$3,000 were by the commission set apart to enable the commissioners of fisheries to make an exhibit of the fish products of the state. Upon the assurance of this appropriation arrangements were made for an exhibit. Contracts for aquariums were entered into; and other needful preparations, so far as could be anticipated were made. The legislature in 1893 (chapter 140), increased the appropriation to the state board of the world's fair managers to \$100,000 additional, of which sum \$13,967 were primarily donated to the fisheries exhibit. The moneys were not placed in the hands of the commission, but their accounts for expenditures chargeable to this fund were first audited by the president of this commission and then presented to and audited and paid by the state board of world's fair managers. The expenses of the commissioners of fisheries, including the procurement of aquaria, the preparation of the exhibit, its superin-

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tendence and maintenance from the opening to the close of the great exposition amounted to the sum of \$12,262.67, leaving a balance of \$1,704.33 to be applied by the managers in other directions. A considerable part of this amount was expended in the laborious work of keeping the aquaria supplied with specimens of the indigenous fish of Wisconsin waters. The water in the aquaria was of a higher temperature during the warmer months than the average temperature of our streams and lakes; and the fish on exhibition died rapidly, requiring constant effort, constant movement of the fish car, and the employment of skilled fishermen in various parts of the state during the months of the exposition to keep the supply adequate to a respectable exhibit.

While our exhibit, compared with that of the United States in the same building, evidenced the frugality which our appropriation imposed, our display of fish was a very attractive feature of the exposition. The constant throngs that crowded into the limited space (one thousand seven hundred and fifty-three square feet) set apart for the exhibit, gave abundant proof that it was not wanting in popular interest. The exhibit attracted profound interest in the circles of aquatic sportsmen, and those conversant with the artificial propagation of fish. The following correspondence is given as testimonial of the success of our exhibit:

HON. JAMES NEVIN, Madison, Wis.

Dear Sir:—I improve the first opportunity after the close of the exposition to express to you, and through you to the fish commission and the people of the state of Wisconsin the appreciation I feel for the very excellent and instructive exhibit made by your state in my department.

Only those who have had to do with aquarial exhibits understand the difficulties which have to be surmounted in order to achieve anything like success. I deem it, therefore, very creditable to those who have been responsible for the installation and conduct of the Wisconsin exhibit, that it has merited and received commendation in all quarters, both as relates to method of installation and variety of specimens exhibited, and the remarkable fine quality of fish, many of which are worthy of special mention for their size and condition.

While I regret that the fishery exhibit of Wisconsin was not unified (the pearls having been very much misplaced by being installed in the department of Mines and Mining, to which they have no relation) nevertheless, I feel that no collection exhibited by the state

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at the Columbian exposition has attracted so much attention as the live fish display, or has better shown to the American public the attractions which Wisconsin offers to every one who enters her borders.

In conclusion I beg to express to you personally, as well as to the various members of your commission whom I have had the honor and pleasure to meet, my deep appreciation of the uniform courtesy which I have always received from you and them. I also feel especially grateful for the zealous efforts which you have made to maintain an exhibit in my department, which reflects honor alike upon yourself, your state, and the department over which I have had the honor to preside.

Yours very truly,

J. W. COLLINS,

Chief Department of Fish and Fisheries.

HON. EDWIN E. BRYANT, President Wisconsin Fish Commission, Madison, Wis.

My Dear Sir:—I have the honor to acknowledge receipt of your esteemed favor of November 10th, and beg you will accept my sincere thanks for your courtesy in sending me the information contained therein, and also for the kind words which you have written.

Accept the assurance that I appreciate most highly the magnificent work done by your commission for my department; and it is a gratification to me to feel that the effort put forth by Wisconsin in making its fish exhibit has not only demonstrated to the people of your own state, more forcibly than otherwise could have been possible, the magnitude and importance of the work you are doing, but it has also shown to the great public of the United States the immense resources for commerce or pleasure possessed by Wisconsin, and which must result to its material advantage.

If the fisheries department over which I have had the honor to preside has gained distinction and the appreciation of the public the result is due to the unselfish devotion of those exhibitors who, like Wisconsin, have come forward to show to the world what they could of the fishing interests in which they are most concerned. I feel that I have a greater reason than can well be expressed in words for gratitude to those who have assisted in making the fisheries exhibit a success, for if I have achieved results in any way satisfactory, it is due to the support I have received from the exhibitors.

Yours very truly,

J. W. COLLINS,

Chief, Department of Fish and Fisheries.

The award of the committee whose field embraced the fisheries exhibit is as follows:

UNITED STATES.

DEPARTMENT D.—FISH AND FISHERIES.

Exhibitor—Wisconsin Fish Commission. Address, Madison, Wis. Group 37-41.

Exhibit—Live Fish in Aquaria; Reptiles in Abuaria; Photos of Fish Hatcheries and Fish Car.

AWARD.

This collective exhibit is worthy of special mention, particularly now that so much attention and interest is given to the artificial propagation of fish. It shows a good collection of fish artificially propagated in Wisconsin state commission hatchery and ponds, and

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the excellent result of the work done by the commission in the hatching and propagating of trout and carp. The propagation of the rainbow trout, which has been a failure in many cases, is carried on by the Wisconsin state fish commission with great success, as shown by the specimens of this fish exhibited in their aquaria.

The live fish they exhibited were kept in excellent condition and the collection as a whole was of great interest and an important feature of the exposition.

(Signed) N. BORODINE,
Individual Judge.

Approved:

L. Z. JONCAS,
President Departmental Committee.

Approved:

JOHN BOYD THATCHER,
Chairman Executive Committee on Awards.

Date, February 28, 1894.

The following from William P. Seal, at one time in charge of the aquarial exhibit, published in the *Forest and Stream*, of December 2, 1893, while criticising some management of the aquaria elsewhere, bears testimony to Wisconsin's part in the great display. He says:

"The Wisconsin fish commission made a vastly better exhibit of valuable food fishes (than the United States commission) under nothing like so favorable conditions — even to carrying and keeping white fish in splendid condition."

The exhibit consisted of the following species of live fish:

| | |
|--|-------------------|
| Brook trout, six months old. | Bull catfish. |
| Brook trout, one year old. | Wall-eyed pike. |
| Brook trout, two years old. | Pickarel. |
| Brook trout, four years old. | Black bass. |
| Rainbow trout, six months old. | White bass. |
| Rainbow trout, one year old. | Yellow perch. |
| Rainbow trout, two years old. | Sun fish. |
| Rainbow trout, four years old. | Gar fish. |
| German carp, one year old. | Rock bass. |
| German carp, three years old. | Small black bass. |
| European brown trout, three years old. | Strawberry bass. |
| Lake trout. | Suckers. |
| Whitefish. | Sheeps' head. |
| Sturgeon. | Eel pouts. |
| Bullheads. | Dog fish. |
| Blue catfish. | Eels. |
| Shovelnose sturgeon. | Gold fish. |
| Muskallonge. | Turtles. |
| Buffalo fish. | |

The number of specimens ranged from twenty to forty of each kind; and the stock was replenished every few days, as it died out in consequence of the confinement and unfavorable waters.

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THE DISTRIBUTION OF FISH.

The constantly increasing demand for the product of the fish hatcheries has rendered it impossible to furnish to all or to any in the quantities applied for. An apportionment among all applicants in the order of their application is all, that can be accomplished. The distribution in the years 1893 and 1894 is reported in detail in the appendix to this report, showing the following results:

DISTRIBUTION OF 1893.

| | |
|-----------------------|-------------------|
| Brook trout... | 1,615,000 |
| Rainbow trout..... | 1,675,000 |
| Wall-eyed pike..... | 5,500,000 |
| Carp..... | 8,050 |
| Black bass..... | 29,000 |
| Whitefish..... | 35,000,000 |
| Impregnated eggs..... | 14,249,000 |
| Total..... | <u>58,326,050</u> |

DISTRIBUTION OF 1894.

| | |
|----------------------------------|-------------------|
| Brook trout..... | 3,750,000 |
| Rainbow trout..... | 2,555,000 |
| Impregnated lake trout eggs..... | 10,777,000 |
| Wall-eyed pike (pike-perch)..... | 9,600,000 |
| Black bass..... | 73,000 |
| Full grown white bass..... | 4,964 |
| German carp..... | 8,125 |
| Full grown male brook trout..... | 6,447 |
| Whitefish..... | 36,000,000 |
| Total..... | <u>62,789,536</u> |

The significance of these statements, as showing large results for the sums expended by the state in stocking waters with food fishes will, it is believed, be manifest by comparison with some of the states engaged in similar enterprises.

COMPARATIVE APPROPRIATIONS.

Wisconsin, with 56,040 square miles, appropriates \$12,000 to the fisheries commission, with \$1,800 for game warden and \$1,500 for his deputies.

Michigan, with an area of 58,915 square miles, spends for

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propagation of fish \$27,483. A salaried game warden is employed with ten deputies. The counties also pay several thousand dollars annually to county deputy game wardens.

Maine, with 33,040 square miles, appropriates \$16,500 per year, which her commission finds "inadequate for efficient service and the demands of the best interests of the state," and they recommend that the sum be doubled.

Massachusetts, area 8,315 square miles, appropriates \$15,700 per annum. Her coasts are largely cared for by the United States Fish Commission.

New Hampshire, area 9,305 miles, spends \$10,000 on hatcheries to stock inland waters.

Connecticut, area 4,990 square miles (less than one-eleventh that of Wisconsin), appropriates \$9,000 for the propagation of fish, and gives her counties power to appoint and pay game wardens.

New York, area 49,170 square miles (6,870 less than Wisconsin), gives to her commission of fisheries \$66,050, of which \$44,000 is for the maintenance of the several hatcheries. The balance is applied to pay the salaries and disbursements of twenty fish and game protectors.

Minnesota, our sister state, with an area of 83,365 square miles, appropriates \$15,000 yearly. This state is much like Wisconsin in the almost innumerable multitude of her lakes.

Pennsylvania, area 45,212 square miles, appropriated in 1893 to her commission \$30,000 for the biennial period, and \$10,000 for water bailiffs to enforce the fish laws.

Other states than those mentioned are making liberal appropriations for the propagation and distribution of fish and the protection of fish and game.

From these comparisons it will be seen that other states are making larger appropriations, in view of area, than Wisconsin. When it is remembered that our state has an unusually large extent of coast, thousands of streams and several thousand inland lakes, giving an unusually large proportion of water area, the natural habitat of food fishes, the wisdom and policy of liberal

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support of pisciculture in this state need, at this day, no arguments or appeals in their behalf. These comparisons are not made in any spirit of complaint. The legislature has responded liberally to all requests made by this commission. In 1891, the commission asked for \$5,000 for a new building at the Madison hatchery, and only seven votes were cast against it. In 1893, the vote was unanimous appropriating \$5,000 for a fish car. It is merely suggested that the states are coming very generally to realize the fact that moneys expended in the augmentation of the supply of food fishes is profitably invested. It is, indeed, "bread cast upon the waters," abundantly returning after many days. By comparing the output of our hatcheries with those of other states it will be seen that we have been able to produce larger results relatively than others. During the last year the distribution in Wisconsin was 62,706,000 of fry and impregnated spawn. New York, with her several hatcheries and her appropriation of \$44,000 for their support, put out in the year ending September 30, 1893, 80,404,467 fish, fry and eggs. California reports a distribution last year from her two hatcheries of 2,665,940 at a cost of 7,500 for expenses of hatcheries alone, \$10,000 per annum being expended in restoring and preserving the fish in the waters of the state. In the two years, 1893 and 1894, the distribution was about 16,000,000 at a cost of \$15,000; besides \$8,130.83 commissioners' fund for general expenses and salaries.

DISTRIBUTION OF BLACK BASS.

The commissioners became satisfied in the summer of 1893 that great benefit would result to the state by the saving of the bass fry in the sloughs of the Mississippi river. That river overflows its banks in times of floods, forming shallow lakes and sloughs along the banks and on the islands. Into this shallow water the bass go to deposit their eggs. On the subsidence of the waters the parent fish return to the channel waters. The eggs hatch by the millions and the young fish

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are left to perish, either by the sloughs drying up in summer or freezing in winter. Mr. Nevin made careful examination, and after correspondence with Hon. Marshall McDonald, the United States commissioner, the work of rescuing these young fish, depositing the common varieties in the nearest channel waters and saving the bass and pike for distribution to other portions of the state, was begun in the month of September, 1893. The work was new to Mr. Nevin and his assistants when commenced, and experiments in methods were necessary. But it is believed that excellent results will follow this work. Superintendent Nevin, in his report, says: "I regard the rescuing and distribution of fish from these low places along the river, where they would otherwise inevitably perish, as one of the most economical and practical methods of re-stocking our inland lakes. All the fish so planted are adapted to any of the waters of the state; and the cost of taking and planting them is very small compared with the cost of the artificial propagation of the same species, since we now have a fish car for transporting the live fish." Hon. Marshall McDonald, the United States commissioner of fisheries, writes that "in no other way can so valuable results be accomplished from so small an expenditure." The work will be vigorously pushed during the coming summer, so far as the means provided will permit.

MUSCALLONGE.

The commissioners believe that the propagation of muscallonge can be profitably undertaken with a small addition to our fund for the purpose. It is a valuable food fish and its game qualities commend it to sportsmen. The New York commission has met with marked success in propagating this fish; and Superintendent Nevin is confident that enough parent fish can be secured in the proper season to begin this work. If adequate means are provided, the commission will act upon the superintendent's recommendation.

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IMPREGNATED LAKE TROUT EGGS.

The method adopted and pursued by this commission in the propagation of lake trout for the past eight years is as follows: Men are placed on the fishing tugs during the spawning season to strip the female fish and impregnate the eggs, which are then carefully measured and planted on the natural spawning grounds as the fishermen return their nets into the water. This commission is the only one to adopt this practice. The fishermen were skeptical at first, and even objected to having the commission's men on the tugs. But the demonstrated success of the experiment has made the fishermen our best friends. At every point on the lake where this work has been done the fishermen find abundance of small trout where never observed or caught before. If the fishermen would, one and all, adopt this plan of preserving and perpetuating the fish on the beds from which their own livelihood is gained, there would be little need of a close season.

THE STOCK OF BREEDING TROUT.

The stock of breeding trout at the hatchery is now, as per recent count, 47,173. They are all fish that have been bred at the hatchery, and, of late, it appears that the virility of the eggs has somewhat deteriorated. It is deemed desirable that, as far as practicable, the stock be freshened by an annual collection of wild trout eggs, which are far more vigorous than those in a sense confined and fed daily on a uniform kind of food. It is intended to improve our stock as much as possible in this way hereafter. The commissioners join with the superintendent in recommending the collection of five thousand wild trout to be placed in the breeding ponds with the native fish.

FISH CAR.

The necessity for a fish car for use in the distribution of fish in a proper manner became so evident that the legislature of 1893 provided funds therefor. A contract was entered into

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with the Litchfield Car and Machine Company, of Litchfield, Illinois, for the building of a car carefully planned for such uses, to be furnished fully equipped for \$5,000, the sum appropriated for its purchase. It is fifty-five feet in length, divided into sections, with passage way in the center. At one end is a kitchen with stove and kitchen utensils, adequate for cooking the food of the men employed on the car. The other end contains a Pullman section with upper and lower berths on one side; on the other a lavatory, clothes room and closet. In the main body of the car are twelve fish tanks, each three feet square and eighteen inches deep, lined with thick galvanized iron, with drain pipes. Underneath the center of the car is a reservoir of eight barrels capacity for water and an ice tank holding two tons. In the end of the main room of the car is a six-horsepower engine and boiler connected with the reservoir. Iron pipes connected with pump give a circulation and aeration of water in the twelve tanks. In these pipes there are connections made with coupling and rubber hose attached, with glass nozzles, that come within one inch of the surface water in the tank. When the pump is in operation the water is forced into the tank with such force as to drive the air and water to the bottom of the tank. Six of these jets can be used in one tank, if desirable. The water wastes back through a stand-pipe into the reservoir, and in constant circulation is repumped into the tanks. The ice keeps the water at an even temperature. The car has been found to be admirably adapted to the uses for which it is designed. Attention is invited to the remarks in Superintendent Nevin's report as to its efficiency and practicability in our work.

AID FROM THE RAILWAY COMPANIES.

The efficiency of the work of the commission in the maintenance of the exhibit at the world's fair and in the distribution and transplanting of fish, has been greatly increased by the liberality of the railway companies in furnishing free trans-

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portation to the fish car and the employes thereon. Fully appreciating the value to the state and to the railway interests as well, the railway officials have generously aided us, not only in affording transportation, but in their courteous efforts to facilitate and expedite the operations of the commission—all giving a practical godspeed to the work. This is evidenced by the following statement of the number of miles traveled by the fish car, "Badger," collecting and distributing fish in 1893 and 1894.

| | 1893. | 1894. |
|--------------------------------------|--------|--------|
| Over C. M. & St. P. Ry..... | 3,341 | 11,292 |
| Over C. & N. W. Ry..... | 4,116 | 6,908 |
| Over C. St. P., M. & O. Ry..... | 1,087 | 2,742 |
| Over C. B. & N. Ry..... | 700 | 1,245 |
| Over Wis. Central Ry..... | 2,762 | 1,027 |
| Over Illinois Central Ry..... | 834 | Nil. |
| Over G. B. W. & St. P. Ry..... | Nil. | 210 |
| Over M., St. P. & S. Ste. M. Ry..... | Nil. | 194 |
| Totals..... | 12,840 | 23,618 |

For this kind and cheerfully rendered assistance the commissioners desire to make grateful acknowledgments.

FINANCIAL ESTIMATES.

The commissioners respectfully show that they have not been able to carry on the work of the commission as it should be on the present annual appropriation of \$12,000. Repairs are actually needed on the buildings and the ponds at the Nine Springs Hatchery, which will require the outlay of at least \$2,000.

At least \$2,000 annually will be needed to carry on the work of collecting and distributing the Mississippi bass in inland waters.

At least \$1,000 is needed for the purpose of renewing our stock of breeding fish, by obtaining a stock of wild trout and their eggs to prevent deterioration of the breeders.

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ANOTHER FISH HATCHERY.

The demand upon the hatcheries for trout is so great and steadily increasing, and the suitable waters of the state for stocking so abundant as to justify the establishment of another hatchery, to be located at some point where desirable water and facilities for distribution are favorable. It is believed that in this way, propagation can be largely increased without relative increase in expense.

For these purposes, and in order to enable the commission to carry on its work properly, we are of the opinion that there should be appropriated annually in addition to the present annual appropriation, the sum of \$8,000.

VALUE OF THE FISHERIES OF WISCONSIN.

The statistics hereto appended, collected from the most authentic sources within reach of the commissioners, exhibit the extent and value of our lake fisheries:

| | |
|------------------------------------|-------------|
| Fish caught in 1893, pounds..... | 40,113,025 |
| Fish caught in 1894, pounds | 28,998,942 |
| Value of fish caught in 1893..... | \$1,203,395 |
| Value of fish caught in 1894..... | 869,737 |

The calm weather and extreme heat of the last season made it unfavorable for fishing operations; hence the shrinkage in results.

A very important item to be taken into account in this connection is the vast amount of fish caught in the Wisconsin waters of the Mississippi and St. Louis rivers, Lake Pepin, lake and river St. Croix. Without adequate data to form an estimate, it can safely be assumed that many millions of pounds of food fish are annually caught and hundreds of men are employed. The state fish and game warden's department force destroyed \$4,000 worth of nets seized in Lake Pepin alone. The fishing in the Mississippi river is nearly all done with seines, bait lines and set-lines, and in the lakes with fyke and gill nets.

The game and trout fishing of our inland streams and lakes

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brings thousands of sportsmen from other states yearly, hardly less in number than those who visit Maine and Vermont during the fishing season in those states. Judging from the statistics of those and other states much resorted to by sportsmen, it is safe to assume that such tourists bring to and spend in the state hundreds of thousands of dollars annually.

When to these sources of revenue are added the millions of dollars in yearly value of fish caught from our waters and served as food on the tables of the households within the state, the immense value and importance of our fish products are impressed upon the attention. To aid in the propagation and multiplication of this wealth of our waters is certainly economy. To give such protection under wise and stringent laws as will tend to preservation and increase for all of the benefits thus yielded is certainly the dictate of justice and economic policy.

BETTER PROTECTION TO FISH AND GAME.

The commission is strongly impressed that more efficient and more effectually executed fish and game laws are necessary. The artificial propagation of fish is no longer an experiment. It can largely increase the production under normal conditions. It can people any stream with fish adapted to its waters and maintain a strong supply; but its capacities are over-taxed and its results largely thwarted by the lawlessness and shortsightedness of the element in every community, who for present gain or pleasure will "kill the goose that lays the golden egg," and proceed to exterminate faster than propagation can supply. Science teaches that the balance between life and death is so adjusted in the animal world that a slight increase in the abnormal destruction of life over reproduction soon results in extermination. When to the myriads of natural enemies of fish life, man comes with his skill, his nets and improved tackle to engage in wholesale destruction, the species soon become rare if not extinct. Propagation may plant and generous nature may water, but a reasonable protection must be added to give permanent increase.

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Appended to this report is the report of the state fish and game warden, who by law is required to make report to this commission, although not under its direction. It states generally the prosecutions and fines collected, showing that the fines adjudged against offenders exceeds the expenses of employing deputies in the various parts of the state. The report contains many suggestions worthy the consideration of your honorable body.

The commissioners are of the opinion that several practical and beneficial changes should be made in our present laws; and they present the following

RECOMMENDATIONS.

1. The entire subject of fish propagation, their protection and preservation in the waters of the state, should be committed to a single commission or board of officers, with power conferred upon them to appoint and remove fish and game wardens and deputies, and assign their field and scope of duties.

2. The penal laws should be so changed as to be more effective, and to remove all technicalities from prosecution.

3. The whole mass of legislation, both general and local, should be revised and consolidated into one act, and specially separately published with suitable forms for prosecution of cases appended.

4. The power now nominally given to the commissioners of fisheries (by section 13, chapter 307, laws of 1893) for the closing of streams recently planted should be made practical by providing a method by which such closing can be promulgated and made operative.

5. County boards should be given the power to appoint fish and game wardens in their respective counties, to protect the waters thereof, in coöperation with state authorities.

6. More effective provision should be made to secure the stripping and milting and planting of fish spawn caught by fishermen in nets, during the spawning season, under the supervision of deputy wardens.

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CONCLUSION.

In conclusion the commissioners bear testimony to the zeal and efficiency of Mr. James Nevin, superintendent of fisheries. His labors during the past two years have been specially onerous and exacting. The work of preparing, maintaining and securing renewal specimens for the fish exhibit at the World's Fair, greatly added to his labors. The work of collecting and distributing wild fish also imposed upon him much travel and supervision and sharing of the work in the field. His energy and good management and efforts to accomplish the utmost possible with the resources placed in our hands have enabled the commission to make this favorable report of our operations, and to him the credit is largely due.

Hon. Philo Dunning, of Madison, voluntarily retired from this commission in April, 1893, after fourteen years of zealous, faithful service as its president. The success of the work so especially placed under his constant supervision attests to the fidelity and excellent judgment which he brought to the discharge of his duties. He carries into his retirement the warm personal regard of every member of the commission; and his long service so fruitful of good results to the state entitles him to grateful remembrance.

The commission feel justified in anticipating a successful future. The past work of the commission with the means placed in its hands has yielded ample returns. Thousands of streams in the state have been stocked, and where the brook trout was formerly unknown millions are now caught yearly. The rainbow trout, large, gamy, quick in growth and excellent food, has been extensively introduced into our waters, greatly enriching them. Streams and inland lakes are fast being replenished with bass and wall-eyed pike, and thus much is added yearly to the food supply and resources of the state; and its fame is extending wide, affording the sportsman and summer tourist tempting allurements to out-door enjoyment. With moderate outlay and an active

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public sentiment to uphold the hands of the commission, and to enforce the laws, an abundance of excellent food fish can soon be afforded for all, in all parts of the state.

All of which is respectfully submitted January 10, 1895.

EDWIN E. BRYANT,
CALVERT SPENSELEY,
A. V. H. CARPENTER,
JAMES J. HOGAN,
GEORGE F. PEABODY,
RICHARD VALENTINE.

Treasurer's Report.

TREASURER'S REPORT.

Statement for 1893.

| <i>Dr.</i> | | | |
|-----------------------------|---|------------|-------------|
| 1893. | | | |
| Jan. 1. | To balance on hand | \$759 24 | |
| | Annual appropriation..... | 12,000 00 | |
| | Appropriation for fish car..... | 5,000 00 | |
| | State board, world's fair commissioners | 918 62 | |
| | M. L. Nelson (for whitefish sold)..... | 63 98 | |
| | | | \$18,741 84 |
| <i>Cr.</i> | | | |
| | By salary. Supt. Jas. Nevin, 12 mos | \$1,800 00 | |
| | Salary, clerk, Arthur Sykes, 12 mos..... | 660 00 | |
| | | | \$2,460 00 |
| MADISON HATCHERY ACCOUNT. | | | |
| | By Salary, Asst. Supt. V. Maag, 12 mos..... | \$900 00 | |
| | Henry Sykes 11 months | 590 00 | |
| | Jas. Foy 12 months | 524 50 | |
| | Sundry employment | 730 84 | |
| | Disbursements for fish food | 1,374 47 | |
| | Disbursements for distributing fry | 372 18 | |
| | Disbursements, collecting and distributing black bass.. | 87 27 | |
| | Permanent improvements | 409 48 | |
| | Telephone rent..... | 118 25 | |
| | Postage and stationery..... | 149 50 | |
| | Miscellaneous expenditures..... | 1,294 10 | |
| | | | 6,550 59 |
| | Litchfield Car and Machine Co. (for building fish car, "Badger").... | | 5,000 00 |
| MILWAUKEE HATCHERY ACCOUNT. | | | |
| | By salary John Maag, officer in charge, 8 months. | \$617 00 | |
| | Sundry employment | 34 00 | |
| | Disbursements, distributing fry | 200 00 | |
| | Disbursements, collecting whitefish eggs | 814 77 | |
| | Disbursements, collecting pike eggs..... | 452 78 | |
| | Disbursements, taking lake trout eggs..... | 276 54 | |
| | Rent of hatching room | 300 00 | |
| | Milwaukee city, rent of water | 360 00 | |
| | Permanent improvements | 186 12 | |
| | Miscellaneous expenditures..... | 212 78 | |
| | | | 3,414 15 |
| COMMISSIONERS' EXPENSES. | | | |
| | A. V. H. Carpenter..... | \$7 00 | |
| | Philo Dunning | 4 25 | |
| | C. L. Valentine..... | 6 85 | |
| | | | 18 10 |
| | Balance on hand Dec. 31, 1893..... | | \$17,442 84 |
| | | | 1,299 00 |
| | | | \$18,741 84 |

Treasurer's Report.

TREASURER'S REPORT.

Statement for 1894.

| <i>Dr.</i> | | | |
|---|------------|--|-------------|
| 1894. | | | |
| Jan. 1. To balance on hand..... | \$1,299 00 | | |
| appropriation for 1894..... | 12,000 00 | | |
| amount received for whitefish sold..... | 60 51 | | |
| | | | \$13,359 51 |
| <i>Cr.</i> | | | |
| By salary, Supt James Nevin, 12 months..... | \$1,800 00 | | |
| salary, clerk, Arthur Sykes, 12 months..... | 720 00 | | |
| | | | \$2,520 00 |
| MADISON HATCHERY ACCOUNT. | | | |
| By salary, Ass't. Supt. V. Maag, 5 months..... | \$376 60 | | |
| Henry Sykes, 10 months..... | 600 00 | | |
| O. D. Marks, 5 months..... | 300 00 | | |
| James Foy, 12 months..... | 585 00 | | |
| James Brisse, 8 months..... | 386 70 | | |
| sundry employment..... | 71 25 | | |
| disbursements for fish food..... | 960 76 | | |
| disbursements for distributing fry..... | 426 00 | | |
| permanent improvements..... | 240 83 | | |
| telephone rent..... | 73 20 | | |
| postage and stationery..... | 106 15 | | |
| miscellaneous expenditures..... | 1,181 86 | | |
| | | | \$5,508 35 |
| MILWAUKEE HATCHERY ACCOUNT. | | | |
| By salary, John Maag, officer in charge, 7 months..... | \$520 00 | | |
| disbursements, distributing fry..... | 289 10 | | |
| disbursements, collecting whitefish eggs..... | 732 36 | | |
| disbursements, collecting pike eggs..... | 367 84 | | |
| disbursements, planting lake trout eggs..... | 229 88 | | |
| rent of hatching rooms..... | 300 00 | | |
| Milwaukee city, rent of water..... | 300 00 | | |
| gathering statistics of lake fisheries..... | 100 00 | | |
| Miscellaneous expenditures..... | 183 18 | | |
| | | | \$3,032 36 |
| COLLECTING AND DISTRIBUTING BASS. | | | |
| By disbursements, distributing white bass..... | \$250 80 | | |
| disbursements, distributing black bass..... | 765 09 | | |
| | | | \$1,015 89 |
| By disbursements, repairing and maintaining fish car..... | | | \$299 75 |
| COMMISSIONERS' EXPENSES. | | | |
| Calvert Spensley (expenses for 1893)..... | \$36 25 | | |
| Richard Valentine..... | 26 35 | | |
| Calvert Spensley..... | 7 25 | | |
| | | | \$69 85 |
| Balance on hand Dec. 31, 1894..... | | | \$12,246 20 |
| | | | 1,113 31 |
| Total..... | | | \$13,359 51 |

Superintendent's Report.

SUPERINTENDENT'S REPORT.

To the Honorable Board of Fish Commissioners:

GENTLEMEN:—Appended hereto you will find tabular statements of the various kinds of fish that have been hatched and distributed during the years 1893 and 1894.

During the seasons of distribution of trout and other fish, our mail matter will reach from twenty-five to fifty letters per day. In consequence of this large amount of correspondence, it became necessary for us to move our office to Madison in order that we might be more convenient to the postoffice. A room in the capitol was provided us for this purpose, and we are thereby enabled to answer all letters and telegrams promptly. The clerical work of the office has become of considerable importance, and requires prompt attention.

Very few people have the remotest idea of the amount of labor to be performed in connection with an institution of this kind.

Attached hereto you will find an analysis of water taken from the springs at the hatchery, which was made by Prof. Daniells of the state university. You will notice from his statement that the water does not contain the amount of oxygen usually found in spring water.

The demand for fish is constantly on the increase, and it is impossible for us to keep pace with the requisition for brook trout, bass and pike. Judging from the number of applications for fish that we are receiving at the present time, this year will break all records. The Madison hatchery is now run to its full capacity in hatching and distributing trout; and it is to be hoped that the commission will make an effort to obtain the necessary funds to locate another trout hatchery. There is no

Superintendent's Report.

other work that the commission can do in the propagation of fish that will return as much to the general public for the money expended as the stocking of our streams with trout, and our inland lakes and rivers with native fish such as pike, bass and muskellunge.

LAKE FISHERIES.

The lives of the lake fishermen are not easy ones, though the hardships grow less as the steam tugs supersede the old sail boats for visiting the nets. In all kinds of weather the nets must be looked after, and usually the catch is largest when the great gales sweep the lakes. In November the best run of fish occurs, as the herring, whitefish, lake trout, and blue fins leave deep water and seek the shallow spawning grounds. Oil-skins sheeted with ice, numb fingers cut and bleeding from drawing in freezing nets, and faces frost bitten by icy spray are common experiences, while often the gales drive the nets far out of position, and not infrequently tangle them with others almost inextricably. It is at this season of the year that the fish culturist, seeking for spawn, comes in contact with the fishermen; and his duties in this connection, being similar to those of the fishermen, are far from being pleasant.

A few years ago sail boats were employed almost exclusively, but steam tugs of from ten to twenty-five tons burden are becoming more common every year, and with them the risks and hardships of the business decrease.

A gill net is about six feet wide and stands on the bottom of the lake, often in sixty or seventy-five feet of water. The only sign that marks its existence at the surface is a two-foot cedar buoy with cane and pennant fastened to it, which is anchored at each end of a gang of nets. In this respect it differs radically from a pound net. There are usually sixty, and rarely less than forty, gill nets in a gang, and as each net is 300 feet long, the average gang of nets is from three and a half to four miles in length; and I have seen as high as six miles set from one tug.

Superintendent's Report.

If all the gill nets as given in by the fishermen of this state were tied end to end, there would be over fourteen hundred miles of gill nets alone, to say nothing of the thousands of other nets. The eleven fish tugs fishing out of Milwaukee have from sixteen to twenty miles of net in the water at one time while they are fishing. During the summer months the nets were lifted every third day, and in the spring and fall every fifth day.

There were some fifty-four miles of gill nets used in Lake Winnebago the past season.

There never was a time in the history of our state when there were so many fish taken from its waters as during the season of 1893. The fishermen are constantly increasing the number of nets and apparatus for catching fish. The 1894 season shows a decided falling off because of the warmth of the water and the fact that there was but little wind to stir up the lake and start the fish moving. As a consequence the fishing beds, where many were taken last year, gave a decreased yield. Winter fishing is carried on extensively on Lake Michigan. Owners of steam tugs who do towing and other work during the summer months, many of them either buy a gang of nets and fish during the winter months, or lease their tugs to fishermen who have nets and fish on shares. Winter fishing is also carried on quite extensively under the ice at Green Bay, and gives employment to hundreds of people during those months. There is hardly a day in the year that there are not four hundred miles of nets in Lake Michigan and Green Bay. As one gang is taken up another is lowered in its place. The value of the fish taken during the year 1893 was \$1,230,144. The value of boats and fishing tackle was \$522,703, which shows that the fishing industries of this state are of great importance and require wise legislation to foster and protect them.

WHITEFISH.

A successful plant of whitefish in one of our inland lakes has recently been brought to my notice. A few days ago I received

Superintendent's Report.

a letter from ex-Senator Reynolds of Lake Geneva, together with a bottle of fish eggs. Mr. Reynolds requested that I advise him as to what species of fish the eggs belonged, as he was not aware that their lake contained any fish which spawned in the fall of the year. He stated that the eggs were taken from the stomach of perch caught in Lake Geneva, and that for three weeks past the perch caught in the lake, when opened, were found to contain these eggs. The eggs proved to be whitefish eggs; and on looking over the records, I find that half a million of whitefish were planted in the lake in 1880, which accounts for the eggs being found in the stomach of the perch. As the water in Lake Geneva is very deep, and it is fed by springs, I think there is no question that the lake abounds in whitefish, and that a great many could be caught if the proper method of fishing for them was employed at the right season of the year.

In my last annual report I made mention of the increase of whitefish in Green Bay. It affords me no little satisfaction to be able to state that the catch of this year and last show a steady increase over the catch of 1892. This increase is most perceptible on the grounds on which we have been planting steadily for the past eight years.

I regret very much that, in our efforts to propagate whitefish in the great lakes, the co-operation of the fishermen as a whole is not forthcoming. I deprecate exceedingly the enormous destruction by the fishermen of the small whitefish and other species; for there is no question in my mind that the fishermen would be well repaid for their forbearance if they would return all small whitefish they catch to the lake, instead of selling them for "No. 3 Family Whitefish." I believe there are several dealers in the state who will not buy the small whitefish; but there are others who advise the fishermen how to dispose of them to the dealer's advantage.

Messrs. Godfried Leviolett, Jerry Leviolett, John Pelkey, and Olsen and Newman of Little Sturgeon, all tell me that they have thrown overboard many tons of small whitefish, both last season

Superintendent's Report.

and this. During the past fall I have seen them throw over-board, at a single lift of their nets, a thousand pounds of small whitefish, weighing from one-fourth to one-third of a pound each. However, where there is one fisherman who will return the small fish to the water, there are twenty fishermen who put them into their boats with the herring and other fish and bring them ashore, and they are salted as herring or "Family Whitefish." If the fisherman keeps them separate, the dealer will pay him two cents per pound for them. If they are sold with the herring, they will average him about one cent per pound. If these same fish were allowed to come to maturity, they would bring from four to six cents per pound. The same is true of small wall-eyed pike. Fish culture and fish protection should go hand in hand.

The state of Wisconsin was the first state in the union to appropriate money for the protection of fish; and there is no question in my mind that the legislature would enact any laws asked for, if the fish commission would formulate some practical plan for having the laws enforced, by the authority of the commission. Unless they do get such authority and exercise it, it is useless to appropriate money for hatching whitefish for the great lakes.

RESCUING BLACK BASS FROM THE MISSISSIPPI RIVER.

This work was new to us when we commenced it. There is no doubt that by commencing the work two weeks earlier than we did last season, with improved appliances and the experience we have had during the past two seasons, we can do a great work next year, and in the years to come. In this connection, I would recommend that the commission have a cabin boat built with cabin and kitchen, in order that the men working on the river may have a place to eat and sleep.

IMPREGNATED LAKE TROUT EGGS.

The method adopted and pursued by this commission in the propagation of lake trout for the past eight years is as follows:

Superintendent's Report.

Men are placed on fishing tugs during the spawning season to spawn the female fish and impregnate the eggs. The eggs are then carefully measured and planted on the natural spawning grounds as the fishermen return their nets to the water. This commission is the only one in the United States or in America that has made a practice of doing this work in this manner. The fishermen who were skeptical at first, and had so little faith in the work that they did not want us on their tugs, are our best friends to-day. That the work has been a success is proven by the results. At every point on the lake where this work has been done, the fishermen have caught quantities of small trout the second year after planting, where they had never caught them until we commenced planting the impregnated eggs back on the spawning grounds. If the fishermen, one and all, would adopt this method of maintaining the fish supply, there would be no need of a close season.

* WORLD'S FAIR.

The fish exhibit made by our state at the world's fair, which was under my supervision, caused a great deal of hard work during the summer of 1893.

During the months of July and August the temperature of the water in the aquaria ranged from seventy to seventy-four degrees Fahrenheit, and it was next to impossible to keep the exhibit up to a creditable standard. However, basing my statement on the verdict rendered by fish culturists in general and the mass of people who inspected the fish exhibits, and whose knowledge of fish and fish culture qualified them to pass judgment, I believe I may safely say that at no time during the exposition did any of our competitors excel us in quality, quantity or variety of native live fish exhibited.

FISH CAR.

During the past two years we have found the fish car a great convenience in the distribution of fish and fry. Heretofore we

Superintendent's Report.

had to send men in the baggage cars with from twenty to twenty-five cans of fish. Now we make at a shipment from 100 to 125 cans, which enables us to much more quickly distribute the fry with all the conveniences for caring for them en route. We can safely carry at a load from 5,000 to 10,000 black bass from two to four inches in length, and from 400 to 800 full-grown white bass.

During this season there were served on the car 1,123 meals at an average cost of eleven cents per meal.

I wish to return thanks for the courteous treatment we have received from the various employes of the railroad companies over which the car has been drawn.

The past two years have been very busy ones both for the employes and myself, although very few improvements or repairs have been made at the Madison hatchery. Our time has been entirely taken up with the regular work and the collection and distribution of fish and fry. The fact that we have been unable to make many needed repairs and improvements has been a constant reminder to us that the time has come when, if the commission is to keep abreast of the times in fish culture, there must be a considerable additional expenditure of money for their purposes.

JAS. NEVIN,
Superintendent.

Analysis of Water from Hatchery Springs.

REPORT OF PROF W. W. DANIELLS ON ANALYSIS OF
SPRING WATER TAKEN FROM FLOWING SPRINGS
AT THE FISH HATCHERY.

MR. JAMES NEVIN, Superintendent State Fish Hatchery, Madison, Wis.:

Dear Sir: The sample of water from the hatchery springs contains the following inorganic constituents, expressed in grains, per U. S. standard gallon of 231 cubic inches:

| | |
|--|---------|
| Sodium chloride..... | 0.2354 |
| Potassium sulphate..... | 0.1183 |
| Sodium sulphate..... | 0.0569 |
| Sodium nitrate..... | 0.1767 |
| Sodium bicarbonate..... | 0.1120 |
| Calcium bicarbonate..... | 13.9603 |
| Magnesium bicarbonate..... | 10.8494 |
| Iron bicarbonate..... | 0.0108 |
| Oxide of aluminum..... | 0.0303 |
| Silica and insoluble residue..... | 1.0225 |
| Total mineral constituents per gallon..... | 26.4736 |

The examination for organic constituents gave the following results expressed in parts per million of the water:

| | |
|---------------------------|-------|
| Chlorine..... | 2.45 |
| Free ammonia..... | 0.123 |
| Albumenoid ammonia..... | 0.203 |
| Nitrogen as nitrates..... | 0.500 |
| Nitrogen as nitrites..... | 0.025 |

One million parts of the water consume in $\frac{1}{2}$ hour 0.5 parts of oxygen.
One million parts of the water consume in $2\frac{1}{2}$ hours 0.75 parts of oxygen.
One million parts of the water consume in $3\frac{1}{2}$ hours 1.00 parts of oxygen.
One million parts of the water consume in 24 hours 1.5 parts of oxygen.

This water is contaminated, either by surface water flowing over organic matter, or by soil water flowing from soil containing a considerable amount of decomposing organic matter. The quantity of ammonia, both free and albumenoid, is very much greater than ought to be present in a spring water, and the nitrates are also much more abundant than is usual. No nitrates should be present.

The chlorine and mineral constituents are present in about two-thirds the quantity commonly found in spring water of this region, showing great dilution by surface water or water from other sources than those of ordinary spring water.

That this water is surface water is indicated by the small amount of oxygen consumed by the organic matter present.

Respectfully, etc.,

W. W. DANIELLS,
Analytical Chemist.

Fish for Breeding Purposes.

Number of fish in the ponds at the Madison hatchery, retained for breeding purposes.

| | | |
|---|--------|---------------|
| Brook trout, this year's hatch..... | 5,000 | |
| Brook trout, two years old..... | 7,500 | |
| Brook trout, various ages, breeding fish..... | 12,243 | |
| Total brook trout in ponds..... | | 22,743 |
| Rainbow trout, this year's hatch..... | 8,500 | |
| Rainbow trout, two years old..... | 4,800 | |
| Rainbow trout, breeding fish, various ages..... | 5,000 | |
| Total rainbow trout in ponds..... | | 19,800 |
| Black spotted trout, of Colorado, two years old..... | 1,500 | |
| Black spotted trout, four years old..... | 200 | |
| Total black spotted trout..... | | 1,700 |
| European trout, this year's hatch..... | 1,800 | |
| European trout, two years old..... | 850 | |
| European trout, breeding fish, various ages..... | 300 | |
| Total European trout in ponds..... | | 2,950 |
| German carp..... | | 288 |
| Whole number of fish in ponds, at the Madison hatchery..... | | <u>47,481</u> |

Fish and Game Warden's Report.

STATE FISH AND GAME WARDEN'S REPORT.

To the Honorable, The Wisconsin Fish Commission:

GENTLEMEN:—In accordance with the provisions of chapter 308, of the laws of Wisconsin for the year 1893, I herewith submit my report. I have preferred to do the work of the office without parade or the continual calling of public attention thereto, and as a consequence I think the results accomplished will be a surprise to many people of the state. The figures relating to the prosecutions and convictions, property confiscated and destroyed, are necessarily incomplete, because convictions have been had in many instances which were not reported to this office.

Actual experience, I feel confident, has demonstrated that the present system of wardenship is preferable to the old plan of having a number of wardens, who divided the responsibility, and were enabled to successfully dodge any considerable portion thereof if it was sought to hold them accountable for the work undone in the state. With one warden, who is not only accountable for the management of his department with care and prudence, but is in a measure, responsible for the deeds of the men whom he names as subordinates, I firmly believe more work can be accomplished and with less friction than with a number of wardens having equal authority.

There is one great difficulty in connection with the enforcement of fish and game laws, and that is, that in many localities the sentiment is so manifestly against them that it is exceedingly difficult to secure a conviction on the strongest of evidence.

Fish and Game Warden's Report.

In several instances I have found district attorneys who refused to do their duty, throwing in the way of the performance of duty by warden and deputies every obstacle that they could.

Several justices of the peace usurped the prerogative of the supreme court, by declaring the fish and game laws unconstitutional and refused to hear the cases brought before them.

In many instances, parties have been found guilty and the justice, before whom they were tried, suspended judgment and allowed the offenders to go free.

Inasmuch as the deputies depend upon convictions for their pay, such conduct discourages them and makes ineffective, in many parts of the state, the laws upon the statute books. With this in view it may be possible that some who have criticised the work either of the warden or his deputies in not suppressing illegal shooting or fishing, in some locality, can find in this an explanation. To devise some means of remedying this, I leave to the ingenuity of the legislature of 1895. I have often thought that if the state game warden and state dairy and food commissioner, who occupy the same offices at the capitol, could be provided with an attorney, whose duty it should be to assist in the work of these two departments, much good would be accomplished thereby, especially if this attorney was authorized to prosecute, where district attorneys refused, and the attorney general's judgment should be that the case ought to be prosecuted. This, with a change of venue law which would enable the state to remove cases to unprejudiced localities for trial, might go a long way toward obviating the difficulty.

The following abstract from the reports made to this office by deputies, will serve to give you some idea of the work accomplished during the past two years, or since April 1, 1893, at which time the laws as now constituted went into force, and there is no doubt in my mind that if a full report could be obtained from all the counties, the figures would be increased at least one-third. No record has been kept of arrests, where convictions have not been secured.

Fish and Game Warden's Report.

| | |
|---|------------|
| Amount of fines paid into courts as reported..... | \$3,699.89 |
| Gill nets destroyed | 827 |
| Hoop nets destroyed | 49 |
| Seines destroyed | 3 |
| Traps destroyed | 5 |
| Pound net destroyed | 1 |
| Spears destroyed | 70 |
| Set lines destroyed | 220 |
| Persons sent to jail on failure to pay fines..... | 7 |

Experience has led me to advise the amendment of the fish laws:

First, I suggest that there be no closed season for bass or pike of any variety, but that permission be given to take them at any time of the year by angling or trolling. I do not believe that with such a law the number of fish would be materially decreased, whether they are fished for in or out of the spawning season. In making this suggestion I realize that I am calling down upon my head the wrath of many amateur sportsmen, but observation and close study of the habits of these varieties of fish leads me to this conclusion. In my opinion, if stringent laws were enacted prohibiting the shipment of fish out of the state, the whole problem would be solved.

Second, if the fish is caught now during the prohibited season, it must be thrown back into the water. If blood in any considerable quantity flows from the fish, by reason of the injuries it has received from the hook, the fish will certainly die in a few hours and pollute the waters. To simplify matters, I suggest that a law be enacted providing a closed season for trout, prohibiting the use of spears, set lines, explosives, snatch hooks, chemicals and nets, and I believe the waters of the state would swarm with fish in a short time. As the law now stands, the angler may take any kind of fish except trout, bass and pike at any time of the year. It seems to me that this is absurd, because it is well known that bass and pike spawn at the same time with pickerel, and frequent the same waters with the last mentioned fish.

He must be a wise angler indeed, who can prevent a bass or

Fish and Game Warden's Report.

pike from taking his hook during the closed season while he is fishing for pickerel or other fish. He is liable to commit a double crime. If he hooks the fish in the closed season, he is liable to punishment for violation of the law, and if, after discovering the variety of fish he has on his hook, he casts it back into the water and it dies, he is liable for polluting the stream.

This department has had some strange experiences, but the strangest suggestion which has reached me was a proposition submitted by McDonald & Barnard, lawyers at St. Paul, Minn. They proposed that this department suspend the enforcement of the law regarding the catching of fish out of season, so far as the frequenters of Lake Pepin were concerned. The letter was an ingenious one, but its bold proposal stared the reader in the face at every line. They demanded that this department extend to the people of the vicinity of Lake Pepin immunity from the laws which people in other parts of the state were bound to obey, and which the head of the department and his assistants had sworn to enforce. The coolness of the proposal was only equaled by the insulting nature of the reply made by the attorneys to the letter written by the warden refusing to suspend the operation of laws which he was sworn to enforce.

What promised to be a serious question concerning the game laws arose during the past year. The law provides that the clear proceeds of all fines be turned into the general fund of the state treasury, whereas the constitution says that they should go into the school fund. An attack was made upon the law on the ground that it was unconstitutional, but on the advice of the attorney general that this invalid clause did not invalidate the entire law, it was enforced just the same; but the legislature should amend the law so as to make this part of it conform to the constitution.

Regarding the game laws, I have two suggestions to make:

First, that the open season for deer be changed from the month of October to the month of November. The reason of

Fish and Game Warden's Report.

this is: In the first place, the venison can not be kept any length of time in October, and it spoils in vast quantities. The game is killed without benefit to the hunter or his friends, and great waste results. But this is not all nor the worst. When the deer are hunted in October, fawns and does are the principal subjects of the gun. November is the running season of the bucks, and they become bold and fearless, while the fawns are older and more able to take care of themselves, and the does are not impeded by their attention to the fawns.

Second, I earnestly recommend the prohibition of spring shooting of ducks and geese.

I desire at this time to acknowledge the many courtesies and kindnesses shown this department by the members of the state fish commission, and the ability and good judgment which I have always discovered is possessed by the superintendent of the hatcheries, James Nevin, whose untiring energy and intelligent, capable conduct of the affairs under the control of the commission have made Wisconsin stand in the very front rank among the propagators of the piscatorial tribe.

Respectfully submitted,

D. W. FERNANDEZ,
State Fish and Game Warden.

APPENDIX.

Carp Distribution, 1894.

CARP DISTRIBUTION, 1894.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|---|--------------|---|--------------|
| BROWN COUNTY— | | JUNEAU COUNTY— | |
| Arthur Belle, Duck Creek. | 50 | James Lynn, Camp Douglas.... | 50 |
| Henry Sykes, Madison..... | 800 | Jas. H. Rhodes, Mauston..... | 50 |
| Planted in Green Bay..... | | | 100 |
| | 850 | LA CROSSE COUNTY— | |
| CALUMET COUNTY— | | E. Hemstock, Burns..... | 50 |
| Henry Kuehl, New Holstein. ... | 100 | Thomas Barclay, Stevenstown.. | 100 |
| | | | 150 |
| CLARK COUNTY— | | LA FAYETTE COUNTY— | |
| A. Glub, Granton..... | 50 | C. Hutchinson, Shullsburg..... | 100 |
| Wm. Fischer, Granton..... | 50 | | |
| Chas. Sternitzky, Lynn..... | 50 | LINCOLN COUNTY— | |
| | 150 | W. H. Bradley, Tomahawk..... | 100 |
| COLUMBIA COUNTY— | | Carl A. Busch, Merrill..... | 50 |
| L. L. Barney, Portage..... | 100 | Elmer E. Slater, Tomahawk.... | 50 |
| Robert Bruce, Portage..... | 100 | | 200 |
| A. A. Worden, Portage..... | 50 | MANITOWOC COUNTY— | |
| O. C. Williams, Cambria..... | 50 | Fred Kopping, Meggers..... | 50 |
| | 300 | L. T. Kepplar, Steinthal..... | 50 |
| DANE COUNTY— | | | 100 |
| E. P. May, Cambridge..... | 50 | MARATHON COUNTY— | |
| Jas. Foy, Madison..... | 100 | B. F. McMillan & Bro., McMillan | 50 |
| A. Sykes, Madison..... | 125 | Fred Dumdai, Nutterville..... | 50 |
| | 375 | Paul G. Dundy, Nutterville.... | 50 |
| DOUGLAS COUNTY— | | Chas. G. Shuster, Nutterville... | 50 |
| P. J. Railton, Superior..... | 50 | William Ventzke, Wausau..... | 50 |
| J. A. Bardon, Superior..... | 50 | Walter Reinhart, Wausau..... | 50 |
| A. G. Alscamp, Superior..... | 50 | | 300 |
| A. W. Kunert, Superior..... | 50 | MARQUETTE COUNTY— | |
| N. Lucius, Jr., White Birch..... | 50 | A. Walter, Almond..... | 50 |
| | 250 | William N. Glover, Montello ... | 50 |
| DUNN COUNTY— | | | 100 |
| L. E. Toyce, Sand Creek..... | 50 | MILWAUKEE COUNTY— | |
| EAU CLAIRE COUNTY— | | Max. Rosenthal, Wauwatosa.... | 50 |
| Henry Miller, Eau Claire..... | 50 | John Maag, Milwaukee..... | 1,900 |
| Bubser & Girpan, Eau Claire.... | 100 | Planted in Milwaukee river..... | 1,950 |
| A. M. Sherman, Eau Claire..... | 100 | | |
| | 250 | MONROE COUNTY— | |
| FOND DU LAC COUNTY— | | Ed. Arians, Tomah..... | 50 |
| John Laper, Fairwater..... | 100 | | |
| GRANT COUNTY— | | OZAUKEE COUNTY— | |
| A. R. Case, Lancaster..... | 50 | J. W. Luffring, Saukville..... | 50 |
| Thomas G. Trelvar, Lancaster.. | 50 | | |
| W. J. Baillie, Lancaster..... | 50 | PIERCE COUNTY— | |
| | 150 | J. M. Graham, Spring Valley.... | 50 |
| GREEN LAKE COUNTY— | | PORTAGE COUNTY— | |
| Fred Kluck, Germania..... | 50 | Thomas Riley, La Nark..... | 50 |
| IOWA COUNTY— | | RACINE COUNTY— | |
| E. J. Perkins, Dodgeville..... | 100 | C. K. Stearns, Racine..... | 50 |
| JACKSON COUNTY— | | ROCK COUNTY— | |
| H. O. Helle, Taylor..... | 50 | Jas. Nevin, Madison, planted in | 200 |
| Alex. Bock, Black River Falls... | 50 | Rock river..... | 50 |
| | 100 | E. H. Fielder, Evansville..... | 250 |

Carp Distribution, 1894.

CARP DISTRIBUTION.—Continued.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|--|-----------------|--|-----------------|
| SAUK COUNTY— | | WAUPACA COUNTY— | |
| G. A. Martin, Merrimack..... | 50 | B. N. Roberts, Waupaca | 50 |
| C. Scholtz, Reedsburg | 50 | W. H. Stow, Sheridan..... | 50 |
| Wm. C. Schultz, Reedsburg..... | 50 | Geo. N. Jeffers, Sheridan.... | 50 |
| | 150 | W. B. Jeffers, Sheridan..... | 50 |
| SHEBOYGAN COUNTY— | | | 200 |
| Michael Riley, Parnell | 50 | WAUSHARA COUNTY— | |
| John Masterson, Hoard | 50 | J. G. Pomrenke, West Bloomfield | 50 |
| R. G. Arnold, Glenbeulah | 50 | Louis Tinn, West Bloomfield .. | 50 |
| | 150 | C. A. Kimball, Pine River..... | 50 |
| TREMPEALEAU COUNTY— | | | 150 |
| W. P. De Bow, Blair..... | 50 | WINNEBAGO COUNTY— | |
| H. L. De Bow, Blair | 50 | Jas. Nevin, Madison, planted in | |
| | 100 | Wolf river | 400 |
| WASHBURN COUNTY— | | Planted in Fox river. | 400 |
| Jacob Burke, Spooner..... | 50 | Geo. Hanson, Crete..... | 50 |
| WASHINGTON COUNTY— | | | 850 |
| Jos. Elsinger, St. Lawrence..... | 100 | WAUKESHA COUNTY— | |
| WAUKESHA COUNTY— | | C. W. Fraser, Menomonie Falls. | 50 |
| C. W. Fraser, Menomonie Falls. | 50 | Total for 1894..... | 8,125 |

Carp Distribution, 1893.

CARP DISTRIBUTION, 1893.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|---|--------------|---|--------------|
| ASHLAND COUNTY— Nohl & Carkee, Butternut... .. | 100 | JUNEAU COUNTY— Charles Grotre, Mauston. | 100 |
| BAYFIELD COUNTY— Wm. C. Coburn, Washburn..... | 100 | J. E. Smith, Mauston..... | 100 |
| Joseph Ozier, Iron River..... | 100 | F. M. Canfield, Necedah..... | 100 |
| | 200 | S. L. Kennedy, New Lisbon..... | 100 |
| CALUMET COUNTY— J. Schildhauer, New Holstein.... | 100 | | 400 |
| CHIPPEWA COUNTY— H. Beyer, Bloomer..... | 100 | LA CROSSE COUNTY— H. Waddell, Burns..... | 100 |
| | | Jas. Wanlass, Jr., Burns..... | 100 |
| CLARK COUNTY— M. Moldenhauer, Maple Works.. | 100 | Jas. Wanlass, Sr., Burns..... | 100 |
| G. Fischer, Neillsville..... | 100 | Jas. Barclay, West Salem..... | 100 |
| | 200 | | 400 |
| COLUMBIA COUNTY— J. McKenzie, Poynette..... | 100 | LANGLADE COUNTY— C. L. Leykon, Antigo..... | 100 |
| E. Hinkson, Poynette..... | 100 | Phillip Ryan, Summit Lake..... | 100 |
| | 200 | | 200 |
| CRAWFORD COUNTY— Geo. Wachter, Prairie du Chien.. | 100 | MANITOWOC COUNTY— Joseph Klien, Kiel..... | 100 |
| DANE COUNTY— John Cusick, Oregon..... | 100 | MARATHON COUNTY— Chris Weitzenicker, Knowlton .. | 100 |
| H. H. Willard, Mazomanie..... | 100 | Chas. Koenig, Wausau..... | 100 |
| L. O. Jordan, Dayton..... | 100 | Herman Dahnell, Wausau..... | 100 |
| B. M. Minch, Madison..... | 100 | Wm. Weinke, Wausau..... | 100 |
| | 400 | William Buttke, Wausau..... | 100 |
| DODGE COUNTY— Philip Kiefer, Richwood..... | 100 | William Venzke, Wausau..... | 100 |
| G. Stoltz, Beaver Dam..... | 100 | John Loy, Stettin..... | 100 |
| G. Schneider, Theresa..... | 100 | Carl Hoeft, Stettin..... | 100 |
| A. Dornfeld, Lebanon..... | 100 | | 800 |
| | 400 | MARQUETTE COUNTY— Fred Bonhor, Westfield..... | 100 |
| DOUGLAS COUNTY— N. Lucius, Jr., Gordon..... | 100 | MILWAUKEE COUNTY— Geo. Trimbberger, St. Martins .. | 100 |
| EAU CLAIRE COUNTY— Samuel Welke, Fall Creek..... | 100 | Emil Sohendorf, Milwaukee .. | 50 |
| Henry Russell, Augusta..... | 100 | | 150 |
| | 200 | MONROE COUNTY— Homer L. West, Sparta..... | 100 |
| FOND DU LAC COUNTY— F. D. Leonard, Fond du Lac.... | 100 | T. L. Martin, Wilton..... | 100 |
| J. M. Sattler, Calumet Harbor.... | 100 | | 200 |
| Louie Northrup, Waupun..... | 100 | ONEIDA COUNTY— Carr & Eby, Rhinelander..... | 100 |
| | 300 | PORTAGE COUNTY— W. H. Plank, Almond..... | 100 |
| GREEN COUNTY— W. R. Webb, Albany..... | 100 | RACINE COUNTY— James Yates, Sylvania..... | 100 |
| JACKSON COUNTY— J. B. Miller, Alma Center..... | 100 | ROCK COUNTY— J. W. Austin, Lima..... | 100 |
| JEFFERSON COUNTY— A. Sollday, Watertown..... | 100 | ST. CROIX COUNTY— J. E. Jones, Hudson..... | 100 |
| R. Hooper, Lake Mills..... | 50 | H. Schroeder, Stillwater..... | 100 |
| | 150 | M. Steckmeyer, Roberts..... | 100 |
| | | E. P. Burkhardts, Burkhardts.. | 100 |
| | | Sivert Olson, Deer Park..... | 100 |
| | | | 500 |

Carp Distribution, 1893.

CARP DISTRIBUTION—Continued.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|--|-----------------|--|-----------------|
| SAUK COUNTY— | | WASHINGTON COUNTY— | |
| H. C. Hunt, Reedsburg | 100 | J. Schlaggenhaft, Nenno | 106 |
| | | Henry Volesky, Allenton | 100 |
| | | | 200 |
| SHAWANO COUNTY— | | WAUPACA COUNTY— | |
| John Way, Split Rock | 100 | Chas. H. Anderson, Scandinavia | 100 |
| | | Ole C. Sether, Scandinavia | 100 |
| SHEBOYGAN COUNTY— | | M. S. Stroud, Manawa | 100 |
| Fred Backhouse, Beechwood | 100 | P. A. Ham, Crystal Lake | 100 |
| Charles Koch, Beechwood | 100 | John Bartram, Waupaca | 100 |
| C. H. Haslee, Green Bush | 100 | Liough Phen, Waupaca | 100 |
| Geo. L. Tupper, Sheboygan Falls .. | 100 | | 600 |
| | 400 | WAUKESHA COUNTY— | |
| TREMPEALEAU COUNTY— | | David Sheehan, Colgate | 100 |
| Ben Dale, Galvesville | 100 | | |
| L. L. O'Dell, Galesville | 100 | WINNEBAGO COUNTY— | |
| | 200 | A. Anderson, Neenah | 100 |
| WASHBURN COUNTY— | | Horn & Swan, Oshkosh | 100 |
| Ira Holmes, Spooner | 100 | | 200 |
| Henry Peck, Spring Brook | 100 | | |
| | 200 | Total for 1893 | 8,050 |

Wall-Eyed Pike Distribution, 1894.

WALL-EYED PIKE DISTRIBUTION, 1894.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|--|-----------------|--|------------------|
| ADAMS COUNTY— | | OZAUKEE COUNTY— | |
| Louis Cooper, Lake Side..... | 300,000 | P. J. Krohenke, Thinesville..... | 300,000 |
| COLUMBIA COUNTY— | | Wm. M. Foster, Pt Washington.. | 300,000 |
| O. C. Williams, Cambria..... | 300,000 | | 600,000 |
| R. C. Falconer, Portage..... | 300,000 | PORTAGE COUNTY— | |
| Thomas Powers, Wyocena..... | 300,000 | F. B. Lamoreaux, Stevens Point | 300,000 |
| | 900,000 | RACINE COUNTY— | |
| DANE COUNTY— | | T. F. Shepard, Yorkville..... | 300,000 |
| E. P. May, Cambridge..... | 300,000 | SAUK COUNTY— | |
| DODGE COUNTY— | | J. T. Huntington, Delton... .. | 300,000 |
| James M. Cole, Waupun..... | 300,000 | SHEBOYGAN COUNTY— | |
| G. J. Clark, Mayville..... | 300,000 | M. J. Burke, Waldo..... | 300,000 |
| G. L. Megis, Fox Lake..... | 300,000 | WAUKESHA COUNTY— | |
| | 900,000 | J. S. Stickney, Wauwatosa. | 300,000 |
| FOND DU LAC COUNTY— | | J. W. Henning, Milwaukee. | 300,000 |
| J. V. Northrup, Waupun..... | 300,000 | J. G. J. Campbell, Nashotah,.... | 300,000 |
| GREEN LAKE COUNTY— | | H. H. Clark, Genesee..... | 300,000 |
| C. H. Britton, Berlin..... | 300,000 | G. A. Gropp, Dousmau..... | 300,000 |
| IOWA COUNTY— | | | 1,500,000 |
| D. L. Wiren, Mineral Point... .. | 300,000 | WAUPACA COUNTY— | |
| JEFFERSON COUNTY— | | W. B. Jeffers, Sheridan..... | 300,000 |
| David E. Bradley, Chicago..... | 300,000 | Geo. N. Jeffers, Sheridan..... | 300,000 |
| LA CROSSE COUNTY— | | W. H. Sheridan, Sheridan... .. | 300,000 |
| W. S. fish and game club, West | | James Button, Spring Water.... | 300,000 |
| Salem..... | 300,000 | Chas. R. Brainard, Waupaca.... | 300,000 |
| Thomas Barclay, Mindora..... | 300,000 | | 1,500,000 |
| | 600,000 | Total for 1894..... | 9,600,000 |
| LA FAYETTE COUNTY— | | | |
| E. P. Drake, South Wayne..... | 300,000 | | |
| Samuel Briggs, South Wayne... | 300,000 | | |
| | 600,000 | | |

Wall-Eyed Pike Distribution, 1893.

WALL-EYED PIKE DISTRIBUTION, 1893.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|---|--------------|---|------------------|
| ADAMS COUNTY— | | MILWAUKEE COUNTY— | |
| J. W. Wilson, Kilbourn City..... | 100,000 | Geo. F. Trimberger, St. Martins..... | 100,000 |
| COLUMBIA COUNTY— | | ONEIDA COUNTY— | |
| John Cuff, Portage..... | 100,000 | C. L. Ryder, Milwaukee..... | 200,000 |
| L. L. Barney, Portage..... | 100,000 | OZAUKEE COUNTY— | |
| | 200,000 | John Pineborn, Saukville..... | 100,000 |
| DANE COUNTY— | | OCONTO COUNTY— | |
| W. W. Warner, Madison..... | 100,000 | Geo. Beyer, Oconto..... | 100,000 |
| T. C. Lund, Stoughton..... | 100,000 | ROCK COUNTY— | |
| | 200,000 | P. M. Green, Milton..... | 100,000 |
| DODGE COUNTY— | | SAUK COUNTY— | |
| Gustavus Stolz, Beaver Dam.... | 100,000 | Anson Priest, Reedsburg..... | 100,000 |
| August Sterr, Knowles..... | 100,000 | P. Lane, Reedsburg..... | 100,000 |
| M. E. Burke, Beaver Dam..... | 100,000 | J. T. Huntington, Delton..... | 100,000 |
| John Soddart, Fox Lake..... | 100,000 | | 300,000 |
| R. C. Williams, Fox Lake..... | 100,000 | WALWORTH COUNTY— | |
| G. Weber, Theresa..... | 100,000 | Sage & Co., Delavan..... | 100,000 |
| G. Schneider, Theresa..... | 100,000 | James P. Smith, Chicago..... | 100,000 |
| | 700,000 | | 200,000 |
| FOND DU LAC COUNTY— | | WASHINGTON COUNTY— | |
| Andrew Hill, Ripon..... | 100,000 | A. G. Koch, Kewaskum..... | 100,000 |
| F. Hamilton, Ripon..... | 100,000 | WAUKESHA COUNTY— | |
| | 200,000 | Herman Fehr, Milwaukee..... | 100,000 |
| GREEN COUNTY— | | P. A. Stamm, Milwaukee..... | 100,000 |
| H. C. Putnam, Brodhead..... | 100,000 | F. P. Hartwell, Dousman..... | 100,000 |
| E. T. Warren, Albany..... | 100,000 | Henry Bow, Hartland..... | 100,000 |
| | 200,000 | C. W. Mihlbrath, Milwaukee..... | 100,000 |
| JEFFERSON COUNTY— | | P. J. Runwill, Milwaukee..... | 100,000 |
| David E. Bradley, Lake Mills .. | 100,000 | Louis Auer, Milwaukee..... | 200,000 |
| JUNEAU COUNTY— | | | 800,000 |
| C. A. Leicht, New Lisbon..... | 100,000 | WAUPACA COUNTY— | |
| LA CROSSE COUNTY— | | W. W. Brunner, Sheridan..... | 200,000 |
| Alex Johnson, West Salem .. | 100,000 | C. A. Spicer, Clintonville..... | 200,000 |
| | | | 400,000 |
| LA FAYETTE COUNTY— | | WAUSHARA COUNTY— | |
| Jas. Morgan, Darlington..... | 100,000 | C. A. Davenport, Auroraville .. | 100,000 |
| W. R. Law, Darlington..... | 100,000 | R. L. D. Potter, Berlin..... | 100,000 |
| Jos. H. Clary, Darlington..... | 100,000 | | 200,000 |
| Jas. Tierany, Calamine..... | 100,000 | WINNEBAGO COUNTY— | |
| | 400,000 | S. A. Cook, Neenah..... | 100,000 |
| MARINETTE COUNTY— | | Geo. Danielson, Neenah..... | 100,000 |
| L. E. Katzenstein, Milwaukee... | 100,000 | | 200,000 |
| J. V. Stevens, Amberg..... | 100,000 | | |
| C. E. Rollins, Chicago..... | 200,000 | | |
| | 400,000 | Total for 1893..... | 5,500,000 |

Rainbow Trout Distribution, 1894.

RAINBOW TROUT DISTRIBUTION, 1894.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|---|--------------|---|--------------|
| ADAMS COUNTY— | | Atley Peterson, Soldiers Grove.. | 5,000 |
| Wm. Fiegl, Strongs Prairie | 10,000 | J. O. Davidson, Soldiers Grove.... | 5,000 |
| Jon Seeverson | 10,000 | Ole Knutson, Soldiers Grove.... | 5,000 |
| | 20,000 | | 65,000 |
| ASHLAND COUNTY— | | DOOR COUNTY— | |
| Nohl & Yarkee, Butternut..... | 10,000 | C. M. Whiteside, Sawyer | 10,000 |
| BARRON COUNTY— | | DOUGLAS COUNTY— | |
| I. Sprague, Prairie Farm..... | 10,000 | N. Lucius, Jr., White Birch..... | 15,000 |
| G. E. Scott, Prairie Farm..... | 10,000 | August W. Kunert, Superior..... | 10,000 |
| H. S. Comstock, Cumberland .. | 20,000 | Jos. Roper, Superior | 10,000 |
| F. A. McDougald, Clear Lake.... | 10,000 | William Wegner, Superior..... | 10,000 |
| S. J. Packard, Canton..... | 10,000 | A. G. Alscomp, Superior | 10,000 |
| | 60,000 | John A. Bardou, Superior | 10,000 |
| BROWN COUNTY— | | P. E. Waterbury, White Birch... | 10,000 |
| Conrad Beth, Green Bay | 10,000 | Charles Lord, White Birch | 10,000 |
| Victor Bader, Green Bay | 10,000 | W. E. Lowell, White Birch..... | 10,000 |
| I. G. Beaumorst, Green Bay .. | 10,000 | | 95,000 |
| Louis Schaller, Green Bay | 10,000 | DUNN COUNTY— | |
| E. L. Tyrell, Green Bay | 10,000 | O. G. Kinney, Colfax | 10,000 |
| Val. Klesges, Green Bay | 10,000 | F. J. Basner, Wheeler | 10,000 |
| A. G. E. Holmes, Green Bay..... | 10,000 | A. Brickley, Boyceville | 10,000 |
| Jerry Coleman, Henrysville..... | 10,000 | O. J. Oleson, Colfax | 10,000 |
| Constane Huns, Green Bay | 10,000 | A. H. McCabe, Downing..... | 10,000 |
| E. Boland, Green Bay | 10,000 | F. S. Sherwood, Wheeler..... | 10,000 |
| Val. Klesges, Green Bay | 10,000 | | 60,000 |
| C. F. Kimball, Green Bay..... | 10,000 | FOND DU LAC COUNTY— | |
| | 120,000 | E. J. Burnside, Ripon..... | 10,000 |
| BUFFALO COUNTY— | | H. R. Hill, Ripon | 10,000 |
| John D. McKenzie, Alma | 20,000 | F. Hamilton, Ripon | 10,000 |
| L. P. Hunner, Alma | 10,000 | Geo. Loyd, Eden | 10,000 |
| Andrew Miller, Alma | 10,000 | Oscar Berry, Eden | 10,000 |
| Erik Alme, Nelson | 10,000 | John Hill, Ripon | 10,000 |
| | 50,000 | Fred Schroeder, Eldorado..... | 10,000 |
| CALUMET COUNTY— | | W. C. Hamilton, Fond du Lac... | 10,000 |
| J. Schildhauer, New Holstein.... | 10,000 | H. P. Cody, Ripon | 10,000 |
| | | | 90,000 |
| CHIPPEWA COUNTY— | | GRANT COUNTY— | |
| M. J. Humphrey, Stanley..... | 10,000 | Nels Ellingson, Boscobel..... | 10,000 |
| Stephen Abrams, Stanley | 10,000 | John Smalley, Muscoda..... | 10,000 |
| R. D. Whittemore, Chippewa F's | 15,000 | J. P. Esch, Muscoda | 10,000 |
| Frank Hunter, Chippewa Falls.... | 10,000 | Geo. Henkel, Boscobel | 10,000 |
| | 45,000 | L. P. Henkel, Boscobel | 10,000 |
| CLARK COUNTY— | | O. J. Bay, Millville | 5,000 |
| Chas. A. VanDusen, Thorp..... | 10,000 | Jos. Horsfall, Millville..... | 10,000 |
| Peter Cattanaach, Snow..... | 10,000 | | 65,000 |
| | 20,000 | IOWA COUNTY— | |
| COLUMBIA COUNTY— | | Jos. Frost, Avoca..... | 10,000 |
| B. C. Meacham, Portage..... | 10,000 | | |
| CRAWFORD COUNTY— | | JUNEAU COUNTY— | |
| W. A. Chatterton, Wauzeka.... | 5,000 | Henry Shall, Mauston..... | 10,000 |
| J. N. Kast, Belle Center | 5,000 | Chas. M. Grotte, Mauston..... | 10,000 |
| Wilson Shockley, Belle Center .. | 5,000 | Fred Ely, Mauston | 15,000 |
| Dr. A. B. Parrington, Belle C't'r | 5,000 | Wade Clark, New Lisbon | 10,000 |
| J. H. Clark, Belle Center | 5,000 | Jas. Lynn, Camp Douglas | 10,000 |
| Jas. Ratan, Belle Center..... | 5,000 | G. J. Hayes, Lyndon Station.... | 10,000 |
| J. J. Hurlbut, Stuben | 5,000 | | 65,000 |
| Mathias Chapek, Wauzeka..... | 5,000 | | |
| W. S. Manning, Soldiers Grove.. | 10,000 | | |

Rainbow Trout Distribution 1894.

RAINBOW TROUT DISTRIBUTION, 1894—Continued.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|---|--------------|---|--------------|
| KEWAUNEE COUNTY— | | MARINETTE COUNTY—Continued. | |
| Fred W. Fellows, Tuscaro..... | 10,000 | W. B. Stanton, Marinette..... | 10,000 |
| D. W. Stebbins, Ahnapee..... | 15,000 | Geo. Schlick, Crivitz..... | 20,000 |
| John Fetzer, Ahnapee..... | 10,000 | David Wall, Marinette..... | 10,000 |
| | 35,000 | C. E. Rollins, Chicago..... | 15,000 |
| LA CROSSE COUNTY— | | J. V. Stevens, Wausaukee..... | 15,000 |
| R. A. Lodd, La Crosse..... | 10,000 | A. Baker, Wausaukee..... | 20,000 |
| W. L. Osborne, La Crosse..... | 10,000 | R. C. Meryman, Marinette..... | 25,000 |
| W. J. Scott, La Crosse..... | 10,000 | | 350,000 |
| A. Hirschheimer, La Crosse..... | 10,000 | MARQUETTE COUNTY— | |
| West Salem Fish and Game Club, | | C. E. Peirce, Germania..... | 10,000 |
| West Salem..... | 25,000 | | |
| | 65,000 | MONROE COUNTY— | |
| LANGLADE COUNTY— | | Chas. Todd, Wilton..... | 10,000 |
| Val. Sigot, Antigo..... | 10,000 | D. W. Cheeney, Sparta..... | 15,000 |
| S. E. Leslie, Antigo..... | 10,000 | Edmund Trimm, Sparta..... | 15,000 |
| Phillip Ryan, Summit Lake..... | 10,000 | Frank L. French, Sparta..... | 10,000 |
| Jas. McHale, Antigo..... | 10,000 | Fred Gross, Sparta..... | 10,000 |
| John Veidt, Summit Lake..... | 10,000 | Samuel Sloggy, Norwalk..... | 19,000 |
| Geo. M. Paine, Oshkosh..... | 10,000 | Edward Sloggy, Norwalk..... | 10,000 |
| | 60,000 | | 80,000 |
| LINCOLN COUNTY— | | OCONTO COUNTY— | |
| H. A. Atcherson, Tomahawk..... | 10,000 | A. C. Frost, Mountain..... | 10,000 |
| MANITOWOC COUNTY— | | A. E. Edmunds, Oconto Falls..... | 25,000 |
| Fred Kopping, Meggers..... | 10,000 | N. W. Johnson, Farrell..... | 10,000 |
| MARATHON COUNTY— | | Geo. Beyer, Oconto..... | 10,000 |
| C. L. Wyatt, Hatley..... | 10,000 | J. J. Hoff, Milwaukee..... | 15,000 |
| J. C. Smith, Hatley..... | 10,000 | L. C. DeLanc, Abrams..... | 10,000 |
| R. E. Parcher, Hatley..... | 10,000 | J. B. Wensing, Pensaaukee..... | 10,000 |
| F. C. Hulce, Unity..... | 10,000 | J. J. Hof, Milwaukee..... | 10,000 |
| Louis Ecke, Dancy..... | 10,000 | Wm. Underhill, Underhill..... | 15,000 |
| Neal Brown, Wausau..... | 20,000 | Thos. Savage, Underhill..... | 15,000 |
| Ed. Parker, Mosinee..... | 10,000 | | 130,000 |
| Geo. W. Parker, Mosinee..... | 10,000 | ONEIDA COUNTY— | |
| Robt Freeman, Mosinee..... | 10,000 | C. W. Fuldager, Rhinelander..... | 10,000 |
| Frank Fellows, Mosinee..... | 10,000 | J. O. Moen, Wadena..... | 5,000 |
| C. S. Blair, Mosinee..... | 10,000 | Frank Jilson, Pennington..... | 5,000 |
| R. E. Parcher, Wausau..... | 10,000 | Paul Browne, Rhinelander..... | 5,000 |
| F. Jaeger, Wausau..... | 10,000 | J. J. Reardon, Rhinelander..... | 5,000 |
| C. W. Tisdale, Wausau..... | 10,000 | | 30,000 |
| | 150,000 | OUTAGAMIE COUNTY— | |
| MARINETTE COUNTY— | | J. H. McMurdo, Hortonville..... | 10,000 |
| Louis Auer, Milwaukee..... | 10,000 | PIERCE COUNTY— | |
| L. E. Katzenstein, Milwaukee..... | 20,000 | Wm. S. Eagle, Spring Valley..... | 10,000 |
| R. C. Meryman, Marinette..... | 10,000 | POLK COUNTY— | |
| E. W. DeBower, Crivitz..... | 10,000 | Thos. Thoen, Graytown..... | 10,000 |
| P. A. Badour, Marinette..... | 10,000 | PORTAGE COUNTY— | |
| C. E. Rollins, Chicago..... | 20,000 | L. C. Hoeffel, Stevens Point..... | 10,000 |
| J. W. Monroe, Wausaukee..... | 10,000 | PRICE COUNTY— | |
| Jas. Carlin, Wausaukee..... | 20,000 | Geo. Bennett, Worcester..... | 10,000 |
| E. C. Rollins, Wausaukee..... | 15,000 | Chas. M. Durkee, Phillips..... | 15,000 |
| F. H. Rollins, Wausaukee..... | 10,000 | C. S. Webster, Phillips..... | 15,000 |
| C. F. Dutton, Milwaukee..... | 10,000 | J. Cammell, Phillips..... | 10,000 |
| Geo. H. Heafford, Chicago..... | 15,000 | E. D. Sperry, Phillips..... | 10,000 |
| E. B. Lewis, Marinette..... | 10,000 | J. E. Feeley, Fifield..... | 10,000 |
| W. B. Stanton, Marinette..... | 10,000 | W. F. Hinz, Fifield..... | 15,000 |
| David Wall, Marinette..... | 10,000 | Wm. Turner, Fifield..... | 15,000 |
| J. A. Badour, Marinette..... | 20,000 | | |
| A. C. Meryman, Marinette..... | 25,000 | | |

Rainbow Trout Distribution, 1894.

RAINBOW TROUT DISTRIBUTION, 1894—Continued.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|--|-----------------|--|-----------------|
| PRICE COUNTY—Continued. | | SHAWANO COUNTY—Continued. | |
| J. Hammell, Fifield | 10,000 | H. Meisner, Wittenberg | 10,000 |
| R. L. Hurd, Fifield | 10,000 | D. E. Wescott, Shawano | 25,000 |
| | 120,000 | | 155,000 |
| RICHLAND COUNTY— | | SHEBOYGAN COUNTY— | |
| A. M. Bliss, Richland Center | 5,000 | Jacob Hausen, Random Lake | 10,000 |
| J. W. Ferguson, Woodstock | 10,000 | W. W. Jewett, Winooski | 10,000 |
| Abraham Lincoln, Neptune | 5,000 | F. Underhill, Winooski | 10,000 |
| A. Beckwith, Dixon | 10,000 | S. Aiken, Winooski | 10,000 |
| R. D. Meeker, Woodstock | 5,000 | G. A. LaBudde, Elkhart | 35,000 |
| Geo. Mebaffey, Richland Center | 5,000 | F. S. Sharp, Elkhart | 35,000 |
| E. H. Parfrey, Richland Center | 10,000 | C. V. Pettibone, Elkhart | 30,000 |
| F. W. Burnham, Rich'd Center | 5,000 | H. H. Huson, Plymouth | 10,000 |
| H. W. Haskell, Lone Rock | 20,000 | J. A. Barber, Glenbeulah | 10,000 |
| A. J. Cunningham, Rich. Center | 5,000 | | 160,000 |
| A. E. Parfrey, Twin Bluffs | 10,000 | | |
| | 85,000 | VILAS COUNTY— | |
| ST. CROIX COUNTY— | | H. W. Bent, State Line | 10,000 |
| Charles Jones, Cylon | 10,000 | Chas. A. Bent, State Line | 10,000 |
| J. T. McNamara, Cylon | 10,000 | O. L. Thomas, State Line | 10,000 |
| T. J. Lee, Cylon | 10,000 | N. L. Kinney, Eagle River | 10,000 |
| Ed. Goodrich, Cylon | 10,000 | Gerry Lumber Co | 10,000 |
| F. F. Gray, Hudson | 10,000 | | 50,000 |
| M. Goldeburg, Hudson | 10,000 | WASHBURN COUNTY— | |
| | 60,000 | K. W. Lewis, Minong | 10,000 |
| SAUK COUNTY— | | WASHINGTON COUNTY— | |
| J. T. Huntington, Delton | 10,000 | S. S. Barney, West Bend | 10,000 |
| P. J. Muhlbauer, LaValle | 10,000 | John Wittelman, West Bend | 10,000 |
| Frank Herfort, Baraboo | 10,000 | | 20,000 |
| | 30,000 | WAUPACA COUNTY— | |
| SHAWANO COUNTY— | | C. E. Johnson, Marble | 10,000 |
| August Guhr, Whitcomb | 10,000 | T. H. Brady, Clintonville | 10,000 |
| Theo. Buettner, Caroline | 10,000 | G. W. Jones, Clintonville | 10,000 |
| D. C. Buckstaff, Whitcomb | 10,000 | J. H. Coffman, Marion | 10,000 |
| Whitcomb Lumber Co., Whiteb | 10,000 | James Churchill, Marion | 10,000 |
| J. Swenolt, Wittenberg | 10,000 | Mark L. Palmer, Embarrass | 10,000 |
| Jos. Roemer, Tigerton | 10,000 | G. E. Beedle, Embarrass | 10,000 |
| A. E. Dedolph, Tigerton | 10,000 | Frank P. Jones, Clintonville | 10,000 |
| G. H. Goldrick, Aniwa | 10,000 | | 90,000 |
| John Way, Tigerton | 10,000 | | |
| J. M. Robinson, Shawano | 10,000 | Total for 1894 | |
| Wall & Bennett, Spit Rock | 10,000 | | 2,555,000 |
| W. A. Cottle, Mattoon | 10,000 | | |

Rainbow Trout Distribution, 1893.

RAINBOW TROUT DISTRIBUTION, 1893.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|---|--------------|---|--------------|
| ADAMS COUNTY— | | CRAWFORD COUNTY—Continued. | |
| Hill & Sue, Necedah..... | 5,000 | Geo. N. Alderman, Barnum..... | 5,000 |
| ASHLAND COUNTY— | | C. W. Lathrop, Barnum..... | 5,000 |
| George Sell, Glidden..... | 5,000 | | 25,000 |
| BARRON COUNTY— | | DANE COUNTY— | |
| H. Brown, Cumberland..... | 5,000 | I. G. Brader, Mt. Vernon..... | 10,000 |
| J. E. Horsman, Rice Lake..... | 5,000 | C. J. K. Weltzen, Mt. Vernon.... | 10,000 |
| H. S. Comstock, Cumberland.... | 20,000 | | 20,000 |
| F. A. McDougald, Clear Lake..... | 5,000 | DODGE COUNTY— | |
| Sewell A. Peterson, Rice Lake.... | 5,000 | August Sterr, Knowles..... | 10,000 |
| P. E. Olson, Rice Lake..... | 5,000 | John Stoddard, Fox Lake..... | 5,000 |
| | 45,000 | | 15,000 |
| BROWN COUNTY— | | DOUGLAS COUNTY— | |
| Geo. Hampt, Green Bay..... | 5,000 | John Bergin, Gordon..... | 5,000 |
| Valentine Klesgos, Green Bay.... | 5,000 | | |
| A. G. E. Holmes, Green Bay..... | 5,000 | DUNN COUNTY— | |
| R. J. Black, Fort Howard..... | 5,000 | H. O. Grob, Menomonee..... | 5,000 |
| E. L. Tyrell, Green Bay..... | 5,000 | William H. Smith, Eau Galle.... | 10,000 |
| | 25,000 | Daniel P. Chamberlin, Rock Falls.. | 5,000 |
| BAYFILD COUNTY— | | F. S. Sherwood, Wheeler..... | 5,000 |
| C. W. Haskins, Cable..... | 5,000 | A. A. Cutter, Eau Claire..... | 10,000 |
| BUFFALO COUNTY— | | F. J. Basner, Wheeler..... | 5,000 |
| Christ. Serum, Nelson..... | 5,000 | O. G. Kinney, Colfax..... | 5,000 |
| L. P. Hunner, Alma..... | 15,000 | J. E. Dennis, Downing..... | 5,000 |
| John Leonhardy, Alma..... | 5,000 | D. D. McPherson, Lochiel..... | 5,000 |
| | | A. H. McCabe, Dowagong..... | 5,000 |
| | 25,000 | | 60,000 |
| CHIPPEWA COUNTY— | | EAU CLAIRE COUNTY— | |
| Chas. Revoir, Eggleton..... | 5,000 | B. S. Phillips, Eau Claire..... | 10,000 |
| R. D. Whitmore, Chippewa Falls.. | 5,000 | Henry Russell, Augusta..... | 5,000 |
| L. K. Knox, Chippewa Falls..... | 10,000 | | 15,000 |
| Daniel Clark, Cadott..... | 5,000 | FLORENCE COUNTY— | |
| D. L. Mohr, Edson..... | 5,000 | W. W. Noyes, Florence..... | 20,000 |
| E. L. Tiffany, Cadott..... | 5,000 | H. D. Fisher, Florence..... | 20,000 |
| | 35,000 | | 40,000 |
| CLARK COUNTY— | | FOND DU LAC COUNTY— | |
| Byron Pickering, Nevins..... | 5,000 | Geo. Abel, Eden..... | 20,000 |
| COLUMBIA COUNTY— | | N. r. Kellog, Eden..... | 5,000 |
| J. C. Brill, Columbus..... | 5,000 | Jessie Northrup, Waupun..... | 5,000 |
| Wm. Selk, Columbus..... | 5,000 | H. P. Cody, Ripon..... | 5,000 |
| J. H. Dooley, Portage..... | 5,000 | J. H. Brinkerhoff, Waupun..... | 5,000 |
| Geo. Younglove, Cambria..... | 5,000 | Louie Northrup, Waupun..... | 5,000 |
| G. A. Leffingwell, Rio..... | 10,000 | F. F. Parsons, South Byron..... | 5,000 |
| W. Bradley, Fall River..... | 5,000 | | 50,000 |
| Thos. Hackle, Lodi..... | 20,000 | GRANT COUNTY— | |
| E. T. Russell, Poynette..... | 5,000 | Joseph Horsfall, Millville..... | 5,000 |
| E. E. Hinkson, Poynette..... | 5,000 | John I. Jenkins, Bloomington.... | 5,000 |
| James Wilson, Poynette..... | 5,000 | J. S. McKinney, Muscoda..... | 5,000 |
| A. J. Turner, Portage..... | 10,000 | S. J. Fisher, Muscoda..... | 5,000 |
| F. H. Hasbrook, Portage..... | 5,000 | G. W. Fessell, Muscoda..... | 5,000 |
| William Annacker, Portage..... | 5,000 | O. J. Bay, Millville..... | 5,000 |
| Meachers & Ketchan, Portage.... | 5,000 | F. W. Schnitt, Boscobel..... | 5,000 |
| | 25,000 | | 35,000 |
| CRAWFORD COUNTY— | | GREEN LAKE COUNTY— | |
| Geo. Wachter, Prairie du Chien.. | 5,000 | G. W. Morton, Berlin..... | 5,000 |
| J. P. Sarnum, Prairie du Chien... | 5,000 | H. H. Hamilton, Berlin..... | 5,000 |
| W. H. Thompson, Wauzeka..... | 5,000 | | 10,000 |

Rainbow Trout Distribution, 1893.

RAINBOW TROUT DISTRIBUTION, 1893—Continued.

| Name and post-office address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|--|--------------|---|--------------|
| IOWA COUNTY— | | MARINETTE COUNTY—Continued. | |
| Herman Roth, Avoca..... | 5,000 | H. C. Bell, Milwaukee..... | 20,000 |
| IRON COUNTY— | | Geo. H. Heafford, Chicago..... | 40,000 |
| M. S. McGeahan, Hurley..... | 10,000 | Geo. Schlick, Ellis Junction..... | 20,000 |
| JACKSON COUNTY— | | | 125,000 |
| L. W. Drew, Trout..... | 5,000 | MILWAUKEE COUNTY— | |
| J. T. Simpson, Black River Falls..... | 10,000 | Michael O'Connell, Granville ... | 5,000 |
| E. E. Moore, Merrillan..... | 5,000 | OCONTO COUNTY— | |
| Moses Bone, Merrillan..... | 5,000 | L. C. De Lano, Abrams..... | 5,000 |
| Geo. W. Purnell, Merrillan..... | 5,000 | Anson Eldred & Sons, Stiles..... | 5,000 |
| | 30,000 | J. J. Hof, Milwaukee..... | 15,000 |
| JUNEAU COUNTY— | | Thomas Coffin, Abrams..... | 5,000 |
| Henry Shall, Mauston..... | 10,000 | | 30,000 |
| Chas. A. Leihct, New Lisbon.... | 20,000 | ONEIDA COUNTY— | |
| J. W. Puffer, Lyndon Station.... | 10,000 | Geo. F. Bidwell, Milwaukee..... | 20,000 |
| J. J. Seaverson, Strong's Prairie... | 5,000 | N. M. Brezee, Milwaukee..... | 20,000 |
| G. J. Hayes, Lyndon Station.... | 10,300 | H. G. Flieth, Milwaukee..... | 20,000 |
| | 55,000 | H. C. Buhse, Minocqua..... | 10,000 |
| LA CROSSE COUNTY— | | Yawkey & Lee Lumber Co., | |
| Alex. Johnson, West Salem.... | 5,000 | Hazlehurst..... | 10,000 |
| Evan Torgeson, West Salem.... | 5,000 | | 80,000 |
| Thos. McEldowney, West Salem | 5,000 | OUTAGAMIE COUNTY— | |
| John Kuland, West Salem..... | 5,000 | Samuel J. Ryan, Appleton..... | 50,000 |
| D. R. Lewis, West Salem..... | 5,000 | Geo. Larkin, Seymour..... | 5,000 |
| August Luce, West Salem..... | 5,000 | | 55,000 |
| Christian Larson, West Salem... | 5,000 | PEPIN COUNTY— | |
| Mat. Thronson, West Salem.... | 5,000 | W. H. Huntington, Durand..... | 10,000 |
| John Mikkelsen, West Salem... | 5,000 | Geo. Tarrant, Durand..... | 10,000 |
| J. L. Van Wormer, West Salem. | 5,000 | W. B. Dyer, Durand..... | 10,000 |
| | 50,000 | V. W. Dorwin, Durand..... | 10,000 |
| LINCOLN COUNTY— | | | 40,000 |
| Frank Smith, Merrill..... | 5,000 | PIERCE COUNTY— | |
| Ira Whitehouse, Irma..... | 5,000 | Leach & Langer, Trimble..... | 5,000 |
| H. A. Atcherson, Tomahawk.... | 5,000 | A. Combacher, Ellsworth..... | 5,000 |
| W. H. Bradley, Tomahawk..... | 10,000 | William Barnard, Lost Creek.... | 5,000 |
| Geo. B. Crapsey, Irma..... | 5,000 | H. C. Stark, Martell..... | 5,000 |
| W. H. Cannon, Merrill..... | 10,000 | Spring Valley Land Co., Spring | |
| | 40,000 | Valley..... | 10,000 |
| MANITOWOC COUNTY— | | Daniel J. Dill, Prescott..... | 10,000 |
| Charles Roethel, Ada..... | 5,000 | J. B. Carson, Maiden Rock..... | 5,000 |
| MARATHON COUNTY— | | John F. Davis, Maiden Rock.... | 5,000 |
| Henry Seim, Wausau..... | 10,000 | W. W. Walsingham, Maiden | |
| Frank Fellows, Mosinee..... | 5,000 | Rock..... | 5,000 |
| Geo. B. Bugbee, Wausau..... | 10,000 | J. L. Hawn, Rock Elm..... | 5,000 |
| H. C. Dern, Wausau..... | 10,000 | W. C. Condit, Rock Elm..... | 5,000 |
| P. J. Reis, Wausau..... | 10,000 | | 65,000 |
| F. P. Cornwith, Wausau..... | 10,000 | PORTAGE COUNTY— | |
| Geo. B. Marshall, Wausau..... | 10,000 | Simon Stenerson, Alban..... | 5,000 |
| Edward C. Hall, Jr., Wausau.... | 10,000 | P. H. Volden, Alban..... | 5,000 |
| C. E. Gunther, Knowlton..... | 5,000 | John Een, Ambert..... | 5,000 |
| D. W. Parcher, Wausau..... | 10,000 | Geo. H. Patch, Stevens Point... | 5,000 |
| Neal Brown, Wausau..... | 15,000 | | |
| | 105,000 | PRICE COUNTY— | |
| MARINETTE COUNTY— | | John J. Lansworth, Ogema..... | 5,000 |
| A. C. Meryman, Marinette..... | 5,000 | Chas. M. Durkee, Phillips..... | 10,000 |
| C. E. Rollins, Chicago..... | 20,000 | C. S. Webster, Phillips..... | 10,000 |
| J. V. Stevens, Amberg..... | 20,000 | | |

Rainbow Trout Distribution, 1893.

RAINBOW TROUT DISTRIBUTION, 1893—Continued.

| Name and postoffice address of applicant. | No. of fish. | Name and postoffice address of applicant. | No. of fish. |
|---|--------------|---|--------------|
| PRICE COUNTY—Continued. | | WAUPACA COUNTY— | |
| M. Barry, Phillips | 10,000 | E. W. Brown, Weyauwega | 5,000 |
| E. D. Sperry, Phillips | 10,000 | Oliver Olsson, Sheridan | 5,000 |
| J. Cammell, Phillips | 10,000 | W. W. Brunner, Stetman | 5,000 |
| | 55,000 | A. R. Lea, Waupaca | 5,000 |
| RACINE COUNTY— | | W. J. Chamberlin, Waupaca | 5,000 |
| W. R. Vance, Racine | 15,000 | A. J. Poll, Waupaca | 5,000 |
| G. L. Raymond, Racine | 15,000 | Wm. R. Parks, Iola | 5,000 |
| | 30,000 | Charles J. Wallace, Iola | 5,000 |
| RICHLAND COUNTY— | | M. S. Stroud, Symco | 5,000 |
| E. H. Parfrey, Richland Center | 25,000 | Arthur Lindsay, Manawa | 10,000 |
| | | Ole Sether, Scandinavie | 5,000 |
| ST. CROIX COUNTY— | | Chas. H. Anderson, Scanainavia | 10,000 |
| F. P. Wilson, Boardman | 5,000 | W. R. Craig, Royalton | 5,000 |
| C. A. Greene, Hudson | 5,000 | | 75,900 |
| D. H. Syme, Glenwood | 5,000 | WAUSHARA COUNTY— | |
| H. C. Constance, New Richmond | 5,000 | Jas. H. Sherlock, Pine River | 5,000 |
| R. S. Beebe, Cylon | 5,000 | A. M. Kimball, Pine River | 5,000 |
| J. D. Kinney, New Richmond | 5,000 | C. H. Britton, Berlin | 5,000 |
| F. C. King, Glenwood | 5,000 | Geo. Fitch, Berlin | 5,000 |
| | 35,000 | John Moffet, Poy Sippi | 5,000 |
| SHAWANO COUNTY— | | Charles Tice, Berlin | 5,000 |
| D. M. Wescott, Shawano | 50,000 | R. L. D. Potter, Berlin | 10,000 |
| | | C. B. Skinner, Berlin | 5,000 |
| SHEBOYGAN COUNTY— | | | 45,000 |
| Carl Vater, Plymouth | 5,000 | WINNEBAGO COUNTY— | |
| Peter Vanderboof, Plymouth | 5,000 | J. S. Hunter, Picketts | 5,000 |
| Wm. Trowbridge, Plymouth | 5,000 | | |
| Wm. Stalge, Scott | 5,000 | WOOD COUNTY— | |
| Peter Martch, Cascade | 5,000 | L. S. Cohn, Wausau | 5,000 |
| | 25,000 | W. W. Meade, Centralia | 5,000 |
| VILAS COUNTY— | | D. M. Huntington, Grand Rapids | 5,000 |
| C. L. Ryder, Milwaukee | 20,000 | A. J. Hasbronck, Grand Rapids | 5,000 |
| H. F. Whitcomb, Milwaukee | 20,000 | Rube Lyon, Centralia | 5,000 |
| | 40,000 | B. F. Haskins, Centralia | 5,000 |
| WASHBURN COUNTY— | | Theron Lyon, Centralia | 5,000 |
| Henry Peck, Namekagon | 5,000 | | 35,000 |
| WAUKESHA COUNTY— | | Total for 1893 | |
| B. F. Goss, Pewaukee | 10,000 | | 1,675,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|--------------------------|---------------------|------------------------------------|--------------|
| ADAMS COUNTY— | | | |
| L. M. Rene..... | Friendship | Moorehouse creek..... | 10,000 |
| BARRON COUNTY— | | | |
| D. Post..... | Barron..... | Red Eye creek..... | 5,000 |
| D. Post..... | do..... | Lightning creek..... | 5,000 |
| C. C. Coe..... | do..... | Brown's creek..... | 10,000 |
| S. Christianson..... | do..... | Quader's creek..... | 10,000 |
| Lincoln Johnson..... | do..... | Four Mile creek..... | 10,000 |
| S. S. Morrison..... | Rice Lake..... | Phegema creek..... | 5,000 |
| S. S. Morrison..... | do..... | Rock creek..... | 5,000 |
| J. E. Horsman..... | do..... | Tainter creek..... | 5,000 |
| J. E. Horsman..... | do..... | Hickey creek..... | 5,000 |
| Sewell A. Petterson..... | do..... | Miller creek..... | 10,000 |
| P. E. Oleson..... | do..... | E. Brch., Miller creek..... | 10,000 |
| E. K. Broyton..... | do..... | Cobb creek..... | 10,000 |
| C. D. Kipp..... | do..... | Rock creek..... | 10,000 |
| W. H. Luce..... | do..... | Little Bear creek..... | 10,000 |
| N. W. Heintz..... | do..... | Silver creek..... | 10,000 |
| H. S. Comstock..... | Cumberland..... | Hay river..... | 10,000 |
| F. M. Furtell..... | do..... | Miller creek..... | 10,000 |
| S. W. Hines..... | do..... | Vermillion river..... | 10,000 |
| F. F. Morgan..... | do..... | Sand creek..... | 10,000 |
| W. N. Fuller..... | do..... | Big Spring brook..... | 10,000 |
| W. S. Foster..... | Dallas..... | Upper Pine creek..... | 10,000 |
| F. W. Borum..... | Barron..... | Johnson & Barker creeks..... | 10,000 |
| | | | 190,000 |
| BAYFIELD COUNTY— | | | |
| John S. Owen..... | Drummond..... | W. Brch., Eighteen Mile creek..... | 10,000 |
| A. Douglas..... | Cable..... | Slaughter House creek..... | 5,000 |
| A. Douglas..... | do..... | Twin brook..... | 5,000 |
| | | | 20,000 |
| BUFFALO COUNTY— | | | |
| Michael Carroll..... | Mondovi..... | Carroll creek..... | 10,000 |
| S. D. Hubbard..... | do..... | Armour creek..... | 5,000 |
| S. D. Hubbard..... | do..... | Amdon's creek..... | 5,000 |
| S. D. Hubbard..... | do..... | Hadley's creek..... | 5,000 |
| S. D. Hubbard..... | do..... | Harvey creek..... | 5,000 |
| S. D. Hubbard..... | do..... | Ford creek..... | 5,000 |
| S. D. Hubbard..... | do..... | Whelan creek..... | 5,000 |
| L. D. Nogle..... | Eleva..... | Rosman creek..... | 5,000 |
| L. D. Nogle..... | do..... | Hays Valley creek..... | 5,000 |
| | | | 50,000 |
| CHIPPEWA COUNTY— | | | |
| A. Jackson..... | Bloomer..... | Duncan creek..... | 10,000 |
| P. Bowler..... | Chippewa Falls..... | Bowler brook..... | 10,000 |
| W. F. Ferguson..... | do..... | Trout brook..... | 10,000 |
| J. F. Cergviff..... | do..... | N. Fork, Hay creek..... | 10,000 |
| C. B. Baker..... | do..... | Brch., Trout creek..... | 10,000 |
| Leo Hatemer..... | Bloomer..... | W. Fork, O'Neil creek..... | 10,000 |
| | | | 60,000 |
| CLARK COUNTY— | | | |
| Peter Cattanaach..... | Snow..... | W. Branch, Yellow river..... | 10,000 |
| COLUMBIA COUNTY— | | | |
| O. C. Williams..... | Cambria..... | Deer creek..... | 10,000 |
| G. Leffingwell..... | Rio..... | Jones brook..... | 10,000 |
| | | | 20,000 |
| CRAWFORD COUNTY— | | | |
| Mathias Chapek..... | Wauzeka..... | Plumb creek..... | 10,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894.—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|-------------------------------|------------------------|-----------------------------|--------------|
| CLARK COUNTY—Contin'd. | | | |
| J. P. Barnum | Prairie du Chien | Dousman cooley | 10,000 |
| W. S. Manning | Soldiers Grove | Trout creek | 10,000 |
| John C. Bosch | do | Nap's creek | 10,000 |
| Atley Peterson | do | Soldiers Grove creek | 10,000 |
| J. O. Davidson | do | Johnson creek | 10,000 |
| Ole Knutson | do | Bear creek | 10,000 |
| | | | 70,000 |
| DANE COUNTY— | | | |
| Christian O. Ruste | Blue Mounds | Brch., Pecatonica | 10,000 |
| John Lohrs | Black Earth | Lohr's creek | 10,000 |
| D. A. Barber | do | Man creek | 10,000 |
| Geo. Thatcher | do | Lynch creek | 10,000 |
| T. J. Hughes | do | Garfoot's creek | 5,000 |
| T. J. Hughes | do | Blue Mound creek | 5,000 |
| E. E. Lawrence | Token | Token creek | 10,000 |
| C. J. K. Weltzen | Mt. Vernon | W. Brch., Sugar river | 10,000 |
| | | | 70,000 |
| DODGE COUNTY— | | | |
| O. H. Antwell | Waupun | Sanborn creek | 10,000 |
| W. N. Hamilton | Fox Lake | Stoddart brook | 5,000 |
| W. N. Hamilton | do | Spring brook | 5,000 |
| W. H. Thorpe | Beaver Dam | Fardell brook | 15,000 |
| W. H. Thorpe | do | Shaw creek | 15,000 |
| | | | 50,000 |
| DOUGLAS COUNTY— | | | |
| N. Lucius, Jr. | White Birch | Brule river | 10,000 |
| DUNN COUNTY— | | | |
| A. R. Hall | Knapp | N Brch., Wilson creek | 10,000 |
| H. H. Brown | Menomonie | Little Elk creek | 10,000 |
| Chas. H. Ingraham | do | Irvine creek | 5,000 |
| Chas. H. Ingraham | do | Knight's creek | 5,000 |
| Lett Ingraham | do | Lambs creek | 10,000 |
| W. H. Bailey | do | Annis creek | 10,000 |
| Wm. Follett | do | Hay creek | 5,000 |
| Wm. Follett | do | Brush creek | 5,000 |
| C. A. Leonard | do | Mud creek | 10,000 |
| A. H. Peck | Knapp | Annis creek | 5,000 |
| A. H. Peck | do | Bull Run creek | 5,000 |
| F. S. Sherwood | Wheeler | Beaver creek | 10,000 |
| Samuel Loftlins | Sand Creek | Hay creek | 10,000 |
| | | | 100,000 |
| Eau Claire County— | | | |
| Darius Bresee | Eau Claire | Six Mile creek | 10,000 |
| Darius Bresee | do | Rock creek | 10,000 |
| Henry Russell | Augusta | Bridge creek | 10,000 |
| A. A. Cutter | do | Elk creek | 10,000 |
| A. A. Cutter | do | Beaver creek | 5,000 |
| B. S. Phillips | do | Cranberry creek | 10,000 |
| B. S. Phillips | do | Nine Mile creek | 10,000 |
| B. S. Phillips | do | Lowe's creek | 5,000 |
| Thomas Kemp | Eau Claire | Little Beaver creek | 10,000 |
| Thomas Kemp | do | Clear creek | 10,000 |
| Thomas Kemp | do | Otter creek | 10,000 |
| John Ure, Jr. | Badger Mills | Ure creek | 10,000 |
| | | | 120,000 |
| FOND DU LAC COUNTY— | | | |
| John Hill | Ripon | Silver creek | 10,000 |
| J. V. Northrup | Waupun | Spring creek | 10,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894.—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|--------------------------------|----------------|--------------------------|--------------|
| FOND DU LAC COUNTY—Con. | | | |
| John Lonergan | Fond du Lac | Stanton creek | 10,000 |
| Geo. E. Tardice | West Rosendale | Covil brook | 10,000 |
| C. E. Updike | Fond du Lac | Robert's creek | 5,000 |
| C. E. Updike | do | Coleman's creek | 5,000 |
| C. E. Updike | do | Phillip's brook | 5,000 |
| C. E. Updike | do | Roses creek | 5,000 |
| Joseph Biesbier | Ashford | Biesbier stream | 10,000 |
| G. Vondegrinten | Cambellsport | McCullough creek | 10,000 |
| Christ Gieger | Fond du Lac | Selter creek | 10,000 |
| Wm. Cumb | Elmore | Trib. W Brch. Mil. river | |
| Chas. F. Geise | Fond du Lac | Branch Sheboygan river | 10,000 |
| Chas. F. Geise | do | Branch DeNeven creek | 5,000 |
| Chas. F. Geise | do | Pike creek | 5,000 |
| Chas. F. Geise | do | Parson's steam | 5,000 |
| | | | 120,000 |
| GRANT COUNTY— | | | |
| T. R. Cheesebro | Muscoda | Indian creek | 10,000 |
| A. Kaltenbach | Potosi | Potosi Branch | 10,000 |
| Peter Gierews | British Hollow | British Hollow creek | 10,000 |
| J. P. Walker | Boscobel | Trib., Snow Hollow creek | 10,000 |
| P. L. Heinrichs | do | Trib., Snow Hollow creek | 10,000 |
| A. Shumacher | Potosi | Spring branch | 10,000 |
| J. B. Horsfall | Millville | Mill branch | 10,000 |
| A. B. Lynn | Mt. Hope | Little Green creek | 10,000 |
| Calvin Jones | Woodman | Little Green creek | 10,000 |
| F. W. Schmitt | Boscobel | Mertz branch | 10,000 |
| L. M. Oakey | Cassville | Mill branch | 5,000 |
| L. M. Oakey | do | Furnace branch | 5,000 |
| H. W. Brown | Lancaster | Marsden creek | 10,000 |
| Thomas F. Orton | do | Austin creek | 10,000 |
| Fred P. Meyer | do | Borah branch | 10,000 |
| H. A. Davis | Montfort | Badger creek | 10,000 |
| Daniel Adams | do | Numan's branch | 10,000 |
| Robt. Numan | do | Numan branch | 10,000 |
| F. B. Callis | Lancaster | Walker Branch | 10,000 |
| F. B. Callis | do | Grant river | 10,000 |
| Nels Nelson | Castle Rock | Blue River | 10,000 |
| | | | 200,000 |
| GREEN COUNTY— | | | |
| Edwin Ludlow | Monroe | Skinner's creek | 5,000 |
| Edwin Ludlow | do | Richard creek | 5,000 |
| John C. Beeker | Monticello | Little Sugar creek | 10,000 |
| | | | 20,000 |
| GREEN LAKE COUNTY— | | | |
| Geo. W. Morton | Berlin | Warren creek | 10,000 |
| C. H. Britton | do | Sucker creek | 10,000 |
| C. B. Skinner | do | Brush creek | 10,000 |
| H. K. Priest | Princeton | Black creek | 5,000 |
| H. K. Priest | do | Whittemore creek | 5,000 |
| Frank Wilde | do | Trib. to Green Lake | 10,000 |
| | | | 50,000 |
| IOWA COUNTY— | | | |
| Albert M. Grinder | Perry | Branch Pecatonica | 10,000 |
| D. W. Jones | Jonesdale | Jones brook | 10,000 |
| J. W. Starry | Dodgeville | Peter Mendt's creek | 10,000 |
| John I. Morris | Ridgeway | Morris creek | 10,000 |
| A. Apple | Mineral Point | Terrier creek | 10,000 |
| D. L. Wiren | do | Dog creek | 10,000 |
| James Kickpatrick | Rewey | Rewey creek | 10,000 |
| M. J. Tappins | Dodgeville | Merediths creek | 10,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|-------------------------------------|-------------------------|------------------------------|--------------|
| IOWA COUNTY—Cont'd. | | | |
| John Billings | Cobb | Blue river | 10,000 |
| Samuel W. Reese | Dodgeville | Blanchard creek | 5,000 |
| Samuel W. Reese | do | Coon branch | 5,000 |
| Samuel W. Reese | do | Dodge branch | 5,000 |
| Samuel W. Reese | do | Snead creek | 5,000 |
| Samuel W. Reese | do | Regan creek | 5,000 |
| Samuel W. Reese | do | Col. Hollow creek | 5,000 |
| Isaac Harris | Barneveld | Harris branch | 10,000 |
| F. F. Starry | do | Walnut Hollow creek | 5,000 |
| F. F. Starry | do | Mill creek | 5,000 |
| | | | 140,000 |
| JACKSON COUNTY— | | | |
| E. B. Sanders | Merillan | Hall creek | 10,000 |
| C. W. Elmore | Black River Falls | French creek | 10,000 |
| Geo. W. Purnell | do | E. branch Hall's creek | 5,000 |
| W. Purnell | do | W. branch Hall's creek | 5,000 |
| L. I. Holcomb | do | Dumas creek | 10,000 |
| E. Quackenbush | Shamrock | Trout run | 10,000 |
| E. Quackenbush | do | Stonev creek | 10,000 |
| E. Quackenbush | do | Trib. Robinson creek | 5,000 |
| E. E. Moore | Merrillan | Hall's creek | 5,000 |
| E. E. Moore | do | Van Herset's creek | 5,000 |
| R. D. Squires | Black River Falls | Squaw creek | 10,000 |
| R. D. Squires | do | Papoose creek | 10,000 |
| R. D. Squires | do | Allen's creek | 10,000 |
| R. D. Squires | do | Snow and Twin creeks | 10,000 |
| J. B. Miller | Alma Center | Hale's creek | 10,000 |
| L. T. Branch | Sechlierville | Lowe's creek | 10,000 |
| | | | 185,000 |
| JEFFERSON COUNTY— | | | |
| G. C. Mansfield | Johnson's Creek | Johnson's creek | 10,000 |
| J. D. Bullock | do | Bullock's creek | 5,000 |
| J. D. Bullock | do | Johnson's creek | 5,000 |
| H. T. Ames | Waterloo | Waterloo creek | 10,000 |
| W. W. Ingraham | Lake Mills | Rock creek | 10,000 |
| | | | 40,000 |
| JUNEAU COUNTY— | | | |
| James H. Rhodes | Mauston | S. Branch, Big creek | 5,000 |
| James H. Rhodes | do | N. Branch, Big creek | 5,000 |
| Wade Clark | New Lisbon | McComber creek | 10,000 |
| A. D. Gill | do | McComber creek | 5,000 |
| A. D. Gill | do | Fountain creek | 5,000 |
| W. L. Morrison | Mauston | Peck's creek | 5,000 |
| W. L. Morrison | do | Brewer's creek | 5,000 |
| Henry Shall | do | Brewer's creek | 10,000 |
| James Lynn | Camp Douglas | Trib. Lemonweir river | 10,000 |
| E. B. Sturdevant | Elroy | Headwaters, Baraboo | 10,000 |
| | | | 70,000 |
| LA CROSSE COUNTY— | | | |
| West Salem Fish and Game Club | West Salem | McEldomey creek | 10,000 |
| West Salem Fish and Game Club | do | Larson creek | 5,000 |
| West Salem Fish and Game Club | do | Gills cooley | 5,000 |
| West Salem Fish and Game Club | do | McKinley creek | 5,000 |
| West Salem Fish and Game Club | do | Adams valley creek | 5,000 |
| A. Hirshhelmer | La Crosse | N. branch, Coon river | 10,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894--Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|-------------------------------|---------------------|------------------------------|--------------|
| LA CROSSE COUNTY--Con. | | | |
| A. Hirschheimer..... | La Crosse..... | Bohemian valley creek... | 10,000 |
| Buttles & Price..... | Onalaska..... | Sand creek..... | 10,000 |
| Buttles & Price..... | do..... | Half-way creek..... | 10,000 |
| M. Tourtalotte..... | La Crosse..... | Arutz creek..... | 10,000 |
| M. Tourtalotte..... | do..... | Morrison creek..... | 10,000 |
| Nathan Clark..... | Onalaska..... | Half-way creek..... | 10,000 |
| Nathan Clark..... | do..... | Sand Lake creek..... | 10,000 |
| M. P. Wing..... | La Crosse..... | State road Cooley creek..... | 15,000 |
| M. P. Wing..... | do..... | Chipmunk Cooley creek..... | 15,000 |
| Thomas Barclay..... | Mindora..... | Flemming's creek..... | 20,000 |
| August Craig..... | Burr Oak..... | Sand creek..... | 20,000 |
| Jos. Wanlass, Sr..... | Burns..... | Brown's creek..... | 10,000 |
| | | | 190,000 |
| LA FAYETTE COUNTY-- | | | |
| K. Knudson..... | Blanchardville..... | Knudson creek..... | 10,000 |
| E. I. Morrison..... | do..... | Yarkee Hollow creek..... | 10,000 |
| Gust Johnson..... | South Wayne..... | Johnson creek..... | 10,000 |
| E. T. W. Barnes..... | Darlington..... | Whiteside branch..... | 5,000 |
| E. T. W. Barnes..... | do..... | Scott branch..... | 5,000 |
| E. T. W. Barnes..... | do..... | Miller creek..... | 5,000 |
| H. W. Barnes..... | do..... | Burke's creek..... | 5,000 |
| H. W. Barnes..... | do..... | Mayne's branch..... | 5,000 |
| H. W. Barnes..... | do..... | Hawley's branch..... | 5,000 |
| W. R. Law..... | do..... | King's branch..... | 5,000 |
| W. R. Law..... | do..... | Levitt's branch..... | 5,000 |
| | | | 70,000 |
| LINCOLN COUNTY-- | | | |
| August Rex..... | Merrill..... | Tribs. Copper river..... | 10,000 |
| W. H. Bradley..... | Tomahawk..... | Railway creek..... | 15,000 |
| W. H. Bradley..... | Tomahawk..... | Little Somo..... | 5,000 |
| Ira Whitehouse..... | Irma..... | Little Pine creek..... | 10,000 |
| | | | 40,000 |
| MARATHON COUNTY-- | | | |
| Louis Ecke..... | Dancy..... | Big Eau Plaine..... | 10,000 |
| Neal Brown..... | Wausau..... | Plover river..... | 20,000 |
| R. E. Parcher..... | do..... | Plover river..... | 15,000 |
| F. Jaeger..... | do..... | Sandy river..... | 15,000 |
| C. W. Tisdale..... | do..... | Sandy river..... | 15,000 |
| H. Rheitz..... | do..... | Big Rib river..... | 10,000 |
| H. Kunze..... | do..... | Big Rib river..... | 10,000 |
| H. Sterenberg..... | do..... | Bull Junior..... | 15,000 |
| Edward C. Hall, Jr..... | do..... | Little Rib river..... | 10,000 |
| Geo. B. Marshall..... | do..... | Scott creek..... | 10,000 |
| F. P. Corwith..... | do..... | Kennedy creek..... | 10,000 |
| Chris. Weitzenicker..... | Knowlton..... | Hawk creek..... | 10,000 |
| | | | 150,000 |
| MARQUETTE COUNTY-- | | | |
| E. H. Ingraham..... | Packwaukee..... | Goodhue stream..... | 5,000 |
| William B. Graham..... | Montello..... | Graham's creek..... | 5,000 |
| Paul Welke..... | do..... | Trib. Mecan river..... | 5,000 |
| P. T. O'Connell..... | do..... | Vreeland Creek..... | 5,000 |
| Eugene Solomon..... | Packwaukee..... | Hot Springs..... | 5,000 |
| Aug. Wehrman..... | Westfield..... | Branch Montello river..... | 5,000 |
| Gottlieb Drewitz..... | do..... | Montello river..... | 5,000 |
| C. E. Pond..... | do..... | Montello river..... | 5,000 |
| Samuel Stowe..... | Oxford..... | Keach creek..... | 5,000 |
| | | | 45,000 |
| MONROE COUNTY-- | | | |
| D. W. Cheney..... | Sparta..... | Barley's creek..... | 10,000 |
| Edmund Trimm..... | do..... | Squaw creek..... | 10,000 |
| Frank L. French..... | do..... | Sargents creek..... | 10,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|----------------------------|--------------------|-------------------------------------|--------------|
| MONROE COUNTY—Con. | | | |
| Fred Gross..... | Sparta..... | Walrath Creek..... | 10,000 |
| J. W. Monroe..... | do..... | Beaver Creek..... | 10,000 |
| J. Morrow..... | do..... | Silver Creek..... | 10,000 |
| W. H. Blytton..... | do..... | Little Silver Creek..... | 10,000 |
| J. W. Curran..... | do..... | Clear Creek..... | 10,000 |
| W. Y. Williams..... | do..... | Big Creek..... | 10,000 |
| O. F. Lias..... | do..... | Ayers Creek..... | 5,000 |
| O. F. Lias..... | do..... | Ash Run..... | 5,000 |
| Michael Fincaim..... | Camp Douglas..... | Brch. Baraboo River..... | 10,000 |
| L. Buffmire..... | do..... | Elm Creek..... | 10,000 |
| Samuel Sloggy..... | Ontario..... | Brush Creek..... | 5,000 |
| Samuel Sloggy..... | do..... | Cook Creek..... | 5,000 |
| Edward Sloggy..... | do..... | Billings Creek..... | 5,000 |
| Edward Sloggy..... | do..... | Hay Creek..... | 5,000 |
| Chas. Todd..... | Wilton..... | Staten Creek..... | 10,000 |
| John Kenney..... | Homewood..... | Kenney's Creek..... | 10,000 |
| C. H. Campbell..... | Cashton..... | Taylor Creek..... | 5,000 |
| C. H. Campbell..... | do..... | Brush Creek..... | 5,000 |
| C. K. Erwin..... | Tomah..... | Slaton Creek..... | 5,000 |
| C. K. Erwin..... | do..... | Clifton Creek..... | 5,000 |
| Louis Schaller..... | do..... | Kickapoo..... | 10,000 |
| J. O. Eaton..... | do..... | Canaut Creek..... | 10,000 |
| J. A. Wells..... | do..... | Flora Creek..... | 10,000 |
| H. C. Calkins..... | do..... | Squaw Creek..... | 5,000 |
| H. C. Calkins..... | do..... | Cole Creek..... | 5,000 |
| E. M. Hamilton..... | do..... | Hills Creek..... | 5,000 |
| E. M. Hamilton..... | do..... | Deer Creek..... | 5,000 |
| M. L. Hinsman..... | do..... | Deer Creek..... | 10,000 |
| C. A. Thayer..... | do..... | Mill Creek..... | 10,000 |
| Thomas McCane..... | do..... | Farr's Creek..... | 10,000 |
| J. H. Smith..... | do..... | Connell Creek..... | 10,000 |
| | | | 270,000 |
| PEPIN COUNTY— | | | |
| August Thies..... | Pepin..... | S. branch of Little Plum Creek..... | 10,000 |
| Bert Newcomb..... | Pepin..... | Lost Creek..... | 10,000 |
| J. Schneekloth..... | Pepin..... | W. Brch. Roaring River..... | 10,000 |
| | | | 30,000 |
| PIERCE COUNTY— | | | |
| Martin Olson..... | River Falls..... | Kinnickinnic..... | 5,000 |
| Martin Olson..... | do..... | South Forks..... | 5,000 |
| A. Combacher..... | Ellsworth..... | Rush River..... | 10,000 |
| J. L. Moody..... | do..... | Trimble Creek..... | 10,000 |
| Spring Valley Land Co..... | Spring Valley..... | Eau Galle River..... | 10,000 |
| W. E. Warren..... | Ellsworth..... | Cave Creek..... | 10,000 |
| C. E. Meacham..... | Prescott..... | Big River..... | 10,000 |
| W. C. Condit..... | Rock Elm..... | Cave Creek..... | 10,000 |
| J. H. Brassington..... | Brassington..... | Rush River..... | 10,000 |
| C. E. Fox..... | Rock Elm..... | Cave Creek..... | 10,000 |
| | | | 90,000 |
| POLK COUNTY— | | | |
| J. W. Dean..... | Clear Lake..... | Bull Brook..... | 10,000 |
| PORTAGE COUNTY— | | | |
| A. J. Anderson..... | Amherst..... | Tomorrow River..... | 10,000 |
| G. J. Powell..... | Lone Pine..... | Four Mile Creek..... | 5,000 |
| G. J. Powell..... | do..... | Five Mile Creek..... | 5,000 |
| A. E. Mathewson..... | Keene..... | Moore Creek..... | 10,000 |
| John C. Frost..... | Stevens Point..... | Little Plover River..... | 5,000 |
| John C. Frost..... | do..... | Big Plover River..... | 5,000 |
| E. B. Bentley..... | Shanty Town..... | Shanty Town Creek..... | 10,000 |
| J. H. Campbell..... | do..... | Big Plover River..... | 10,000 |
| | | | 60,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|----------------------------|-----------------------|--|--------------|
| RICHLAND COUNTY— | | | |
| M. J. Welch | Richland Center | Horse creek | 10,000 |
| M. D. Rizer | Boaz | W. branch Mill creek | 10,000 |
| H. G. Sherman | Richland Center | Trib., E. branch Mill crk | 10,000 |
| Geo. Miley | do | Camp creek | 10,000 |
| Gus. Mehaffey | do | S. branch W. Pine river | 10,000 |
| S. G. Curtis | do | Ash creek | 10,000 |
| H. W. Haskell | Lone Rock | Weitzel creek | 10,000 |
| A. Beckwith | Dixon | Bear creek | 10,000 |
| Abraham Lincoln | Neptune | Big Willow creek | 10,000 |
| H. B. Allen | Richland Center | Hawkin's creek | 10,000 |
| N. L. James | do | Martin creek | 5,000 |
| N. L. James | do | Mill creek | 5,000 |
| N. L. James | do | Cook creek | 5,000 |
| D. G. James | do | Pier creek | 5,000 |
| D. G. James | do | Haseltine creek | 5,000 |
| D. G. James | do | Shambaugh ere k | 5,000 |
| E. H. Parfrey | do | E. branch Elk creek | 10,000 |
| | | | 140,000 |
| ROCK COUNTY— | | | |
| J. E. Coleman | Evansville | W. branch Allen's creek | 10,000 |
| Arthur Spencer | do | Spring brook | 10,000 |
| E. B. Hubbard | do | Lin creek | 10,000 |
| Frank Vanpatten | do | Tributary to Athens crk | 10,000 |
| Richard Valentine | Janesville | Tributaries of Rock river | 20,000 |
| | | | 60,000 |
| ST. CROIX COUNTY— | | | |
| Wm. A. Kay | Baldwin | Spring brook | 13,000 |
| H. B. Crane | Wilson | Wilson creek | 10,000 |
| | | | 20,000 |
| SAUK COUNTY— | | | |
| J. H. Carpenter | White Mound | W. branch Honey creek | 10,000 |
| S. E. Knickerbocker | Wyoming | Wyoming creek | 5,000 |
| Brown & Davis | Spring Green | Jones Valley creek | 5,000 |
| Robert Bruce | Wyoming | Arnd creek | 5,000 |
| Erastus Mercer | Spring Green | Wilson creek | 5,000 |
| John W. Proctor | do | Bowers creek | 5,000 |
| W. M. Hathaway | do | Cole brook | 5,000 |
| B. D. Sherwood | do | Bear creek | 5,000 |
| O. L. Brown | do | Jones creek | 5,000 |
| Wm. Howlett | Leland | W. branch Honey creek | 5,000 |
| W. E. Gosch | Reedsburg | Darrow creek | 5,000 |
| W. E. Gosch | do | Dell creek | 5,000 |
| S. Leffingwell | Wonewoc | Caswell creek | 10,000 |
| Frank Herfort | Baraboo | Leach creek | 10,000 |
| E. G. Stolte | Reedsburg | Dell creek | 10,000 |
| F. A. Foss | do | Hay creek | 10,000 |
| R. M. Matthews | Ironton | Carr Valley creek | 10,000 |
| H. W. Konkell, Jr. | Baraboo | Liberty creek | 5,000 |
| H. W. Konkell, Jr. | do | Snider creek | 5,000 |
| W. O. Cannon | Valton | Little Baraboo | 10,000 |
| J. W. Fancher | Prairie du Sac | Branch of Honey creek | 10,000 |
| F. Bushler | do | Branch of Honey creek | 10,000 |
| James M. Johnson | do | Otter creek | 10,000 |
| J. T. Huntington | Delton | Spring brook | 10,000 |
| | | | 175,000 |
| TREMPEALEAU COUNTY. | | | |
| L. L. O'Dell | Galesville | North and south branches, Beaver creek | 10,000 |
| L. L. O'Dell | do | French creek | 5,000 |
| L. L. O'Dell | do | Crystal Valley creek | 5,000 |
| A. Myhre | do | French creek | 20,000 |
| Henry Field | Centerville | Big Tamarack creek | 10,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894.—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|-------------------------------|--------------------|--|--------------|
| TREMPEALEAU CO.—Cont'd | | | |
| L. E. Oleson..... | Galesville | Hardie's and Parsonage creeks | 10,000 |
| F. G. Davis..... | do | North and south branches, Beaver creek | 10,000 |
| F. G. Davis | do | French creek | 5,000 |
| F. G. Davis | do | Marr's creek | 5,000 |
| M. C. Johnson | Osseo | North branch | 10,000 |
| C. G. Johnson | Hale | Elk creek | 5,000 |
| Henry Kried | Arcadia | Gangbs creek | 5,000 |
| Henry Kried | do | Myers' creek | 5,000 |
| M. English | do | Kelley creek | 10,000 |
| C. H. Cook | Independence | Cook creek | 20,000 |
| Chas. B. Miller | Arcadia | Mill creek | 5,000 |
| H. A. Freemstad | Pigeon Falls | Fuller Cooley creek | 5,000 |
| David Maloney | Elk creek | Bruce Valley creek | 5,000 |
| Andrew Stelmach | Arcadia | Corporal's creek | 5,000 |
| M. T. Stelmach | do | Thompson Valley creek | 5,000 |
| Peter Thompson | Whitehall | Johnson Cooley creek | 5,000 |
| F. E. Shapoe | Independence | Travis creek | 5,000 |
| W. H. Carpenter | Blair | Carpenter creek | 10,000 |
| Martin Mattison | do | Sol'y Creek | 5,000 |
| Andrew H. Messingstad | do | Lake Cooley | 5,000 |
| J. G. Han-on | do | Wassie Cooley | 5,000 |
| T. G. Thurston | do | Tennison's creek | 5,000 |
| W. P. De Bow | do | Taintor's creek | 10,000 |
| N. Herrick | do | Bear creek | 5,000 |
| Ole Larson | Whitehall | F'y creek | 5,000 |
| Ole E. Myhre | Arcadia | Norway Cooley creek | 5,000 |
| Joseph Fernholz | do | Cowie's creek | 5,000 |
| Herman Kried | do | Muir Valley creek | 5,000 |
| | | | 235,000 |
| VERNON COUNTY— | | | |
| M. B. Davidson | Westby | Sveen creek | 10,000 |
| C. T. Shannon | do | Spring creek | 10,000 |
| S. B. R-que | do | Upper Spring creek | 10,000 |
| Olaf Noer | do | Timber creek | 10,000 |
| S. H. Dahl | do | Bagley creek | 10,000 |
| C. W. Graves | Vircqua | Harris n branch | 20,000 |
| F. M. Minshall | do | Bishop branch | 10,000 |
| August Smith | do | Sidge creek | 10,000 |
| | | | 90,000 |
| WALWORTH COUNTY— | | | |
| H. L. Halverson | Whitewater | Territorial creek | 10,000 |
| Ward Bloodgood | do | Bloodgood's creek | 10,000 |
| H. M. Trippe | do | Whitewater lake springs | 10,000 |
| T. D. Weeks | do | Bluff stream | 10,000 |
| Chas. Weeks | do | Territorial creek | 10,000 |
| B. Bulkley | do | Otter creek | 10,000 |
| | | | 60,000 |
| WASHBURN COUNTY— | | | |
| M. L. Cary | Shell Lake | South fork Sawyer brook | 10,000 |
| Erik Dal-trom | do | Dalstrom's brook | 10,000 |
| W. B. Curtiss | do | Spring brook | 10,000 |
| A. H. Earle | do | Carey's brook | 10,000 |
| James Fogle, Jr. | do | Bashaw brook | 10,000 |
| L. H. Meade | do | Sawyer's brook | 10,000 |
| Frank G. Scribner | Spooner | Beaver brook | 10,000 |
| | | | 70,000 |
| WASHINGTON COUNTY— | | | |
| John Fries | Richfield | Trib. Oconomowoc river | 10,000 |
| Ernest F. Hasse | do | Hasse branch | 10,000 |
| S. S. Barney | West Bend | Streams in vicinity of West Bend | 20,000 |
| | | | 40,000 |

Brook Trout Distribution, 1894.

BROOK TROUT DISTRIBUTION, 1894—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|--------------------------|---------------------|---|--------------|
| WAUKESHA COUNTY.— | | | |
| F. H. Gault..... | Waukesha | Spring brook | 10,000 |
| Henry Bowman..... | Genesee | Spring lake brook | 10,000 |
| J. A. Lins..... | Eagle..... | Scuppernong creek | 10,000 |
| W. L. Stone..... | Summit Center..... | Battle creek..... | 10,000 |
| | | | 40,000 |
| WAUPACA COUNTY.— | | | |
| Ole Sether..... | Scandinavia..... | Ripley creek..... | 5,000 |
| Ole Sether..... | do | Poll creek..... | 5,000 |
| M. S. Stroud..... | Manawa..... | Lowell creek | 5,000 |
| M. S. Stroud..... | do | Blake creek | 5,000 |
| Arthur Lindsay..... | do | Blake creek | 5,000 |
| Arthur Lindsay..... | do | Whitcomb creek | 5,000 |
| James Nykass..... | Surat..... | Spring creek | 10,000 |
| M. Ravn..... | Scandinavia..... | North and south branches Little Wolf river | 10,000 |
| M. A. Paulson..... | Scandinavia..... | North branch Little Wolf river | 10,000 |
| A. R. Lea..... | Waupaca..... | South branch of To-mor- row creek | 10,000 |
| J. H. Smith..... | Waupaca..... | Lumber creek..... | 10,000 |
| W. H. Stow..... | Sheridan..... | Peterson creek..... | 5,000 |
| W. B. Jeffers..... | Sheridan..... | Steadman creek..... | 5,000 |
| Andrew Erickson..... | Sheridan..... | Stoney creek | 5,000 |
| Oliver Olsson..... | Sheridan..... | Brock Dust creek..... | 5,000 |
| C. L. Reben..... | Sheridan..... | Silver creek | 5,000 |
| William Pipe..... | Sheridan..... | Deadman's creek..... | 5,000 |
| Geo. N. Jeffers..... | Sheridan..... | Gunderson creek | 5,000 |
| E. W. Brown..... | Weyauwega..... | Branch Waupaca River.. | 10,000 |
| | | | 125,000 |
| WAUSHARA COUNTY.— | | | |
| Truman Sears..... | Berlin | Mosquito creek..... | 10,000 |
| O. B. Marr..... | Berlin | Marr creek..... | 10,000 |
| Geo. H. Fuller..... | Spring Lake..... | Spring creek | 10,000 |
| H. Bushweiler..... | Spring Lake..... | Meadow creek..... | 10,000 |
| John Sherlock..... | Colebrook..... | Willow creek..... | 10,000 |
| J. W. Hollenbeck..... | Aurora ville..... | Willow creek..... | 10,000 |
| John Gordon..... | Wild Rose | Davies creek | 5,000 |
| F. M. Clark..... | Wild Rose | Willow creek..... | 5,000 |
| P. B. Munbrue..... | Cedar Lake..... | Cedar Lake creek..... | 5,000 |
| C. A. Swart..... | Wild Rose | Clayton creek | 5,000 |
| D. W. Jones..... | Wild Rose | Pine river | 5,000 |
| W. B. LaSalle..... | Plainfield | Rochacre creek..... | 10,000 |
| F. M. Smith..... | Coloma Station..... | Cowlan creek | 5,000 |
| W. A. Roblier..... | Coloma | Peetwood creek..... | 5,000 |
| G. W. Twist..... | Coloma | Rochacre creek..... | 5,000 |
| Geo. N. Spaulding..... | Coloma Station..... | Little Mecan river | 5,000 |
| W. A. Bugh..... | Wautoma..... | White river and branches | 10,000 |
| W. Belter..... | Wautoma..... | White river and branches | 10,000 |
| G. Stratton..... | Wautoma..... | White river..... | 5,000 |
| Thomas Curran..... | Wautoma..... | Secker's creek..... | 5,000 |
| J. S. Bugh..... | Wautoma..... | White river and branches | 25,000 |
| Will Berry..... | Wautoma..... | Pine creek | 5,000 |
| J. T. Ellison..... | Wautoma..... | Decker creek..... | 5,000 |
| | | | 180,000 |
| WOOD COUNTY.— | | | |
| T. S. Tyler..... | Centralia..... | Seven mile creek..... | 10,000 |
| B. F. Haskins..... | Centralia..... | Ten mile creek..... | 10,000 |
| | | | 20,000 |
| Total for 1894..... | | | 3,765,000 |

Brook Trout Distribution, 1893.

BROOK TROUT DISTRIBUTION, 1893.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|-------------------------|-----------------------|--|--------------|
| BARRON COUNTY— | | | |
| S. S. Morrison..... | Rice Lake..... | Silver creek..... | 5,000 |
| J. E. Horsman..... | do..... | Rice Lake creek..... | 5,000 |
| Geo. McCluskey..... | do..... | Rice creek..... | 5,000 |
| Wm. H. Luce..... | do..... | Englert creek..... | 5,000 |
| P. E. Olsen..... | do..... | E. branch Miller creek..... | 5,000 |
| D. L. Sainter..... | do..... | Rice Lake creek..... | 5,000 |
| N. W. Heintz..... | do..... | Barker creek..... | 5,000 |
| J. L. Ankley..... | do..... | Tuscobia creek..... | 5,000 |
| Sewell A. Peterson..... | do..... | E. branch Pekagaman..... | 5,000 |
| | | | 45,000 |
| BUFFALO COUNTY— | | | |
| S. D. Hubbard..... | Mondovi..... | Harvey creek..... | 5,000 |
| S. D. Hubbard..... | do..... | Ford creek..... | 5,000 |
| S. D. Hubbard..... | do..... | Devil's run..... | 5,000 |
| | | | 15,000 |
| COLUMBIA COUNTY— | | | |
| W. E. Annacker..... | Portage..... | Branch Neenah creek..... | 5,000 |
| CRAWFORD COUNTY— | | | |
| Wm. Langdon..... | Seneca..... | Thompson's creek..... | 5,000 |
| Wm. Erdenberger..... | Prairie du Chien..... | Creek in town of Prairie du Chien..... | 5,000 |
| Samuel Mattie..... | Eastman..... | Large Spring stream..... | 5,000 |
| J. O. Davidson..... | Soldiers' Grove..... | Trout creek..... | 5,000 |
| J. O. Davidson..... | do..... | Soldiers' Grove creek..... | 5,000 |
| Tim Garity..... | do..... | Johnson creek..... | 10,000 |
| W. S. Manning..... | do..... | Bear creek..... | 10,000 |
| M. B. Seward..... | do..... | Knapp's creek..... | 10,000 |
| F. W. Lewis..... | Bell Center..... | Lewis branch..... | 5,000 |
| A. L. Stowell..... | do..... | Trahey creek..... | 5,000 |
| H. H. Lewis..... | do..... | Williams creek..... | 5,000 |
| C. A. Hofman..... | do..... | Hall's branch..... | 5,000 |
| W. W. Tate & Co..... | do..... | Sand creek..... | 5,000 |
| Frank A. Oerstein..... | do..... | Cow creek..... | 5,000 |
| John Lewis..... | do..... | Bacon creek..... | 5,000 |
| | | | 90,000 |
| DANE COUNTY— | | | |
| J. W. Kester..... | Black Earth..... | Handle creek..... | 5,000 |
| Chas. E. Baer..... | do..... | Hanson stream..... | 5,000 |
| Gilbert Holstine..... | do..... | Holstine creek..... | 5,000 |
| William Runge..... | do..... | Barnes creek..... | 5,000 |
| H. G. Goodlad..... | do..... | Otto Kerl creek..... | 5,000 |
| R. A. Hibbert..... | do..... | Head Black Earth creek..... | 5,000 |
| J. R. Henderson..... | Riley..... | Conor's creek..... | 5,000 |
| A. O. Anderson..... | Blue Mounds..... | Anderson creek..... | 5,000 |
| | | | 40,000 |
| DODGE COUNTY— | | | |
| Peter Netzing..... | Brownsville..... | Big creek..... | 10,000 |
| Christ Erhart..... | Knowles..... | do..... | 10,000 |
| John Deering..... | do..... | Branch Rock river..... | 10,000 |
| B. W. Sampson..... | do..... | Star Springs..... | 10,000 |
| | | | 40,000 |
| DOOR COUNTY— | | | |
| John Adamson..... | Voseville..... | Clark's lake creek..... | 15,000 |
| James Maples..... | Voseville..... | do..... | 10,000 |
| James Field..... | Forestville..... | Forest creek..... | 10,000 |
| John Fetzer..... | do..... | do..... | 15,000 |
| | | | 50,000 |

Brook Trout Distribution, 1893.

BROOK TROUT DISTRIBUTION, 1893—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|----------------------------|-------------------|-----------------------------------|--------------|
| DUNN COUNTY— | | | |
| W. Schutte, Jr. | Menomonie. | Varney creek | 5,000 |
| Lett Ingraham | do | Gilbert creek | 5,000 |
| O. G. Anderson | do | Annis creek | 5,000 |
| J. M. Ingraham | do | Gilbert creek | 5,000 |
| A. Bonstad | do | Varney creek | 5,000 |
| Joseph Josephson | do | Irvine creek | 5,000 |
| George Hatter | do | Hay creek | 5,000 |
| A. H. Peck | Knapp | Annis creek | 5,000 |
| H. H. Brown | Menomonie. | Gilbert creek | 5,000 |
| | | | 45,000 |
| EAU CLAIRE COUNTY— | | | |
| E. R. Shutoo | Altoona | Six mile creek | 5,000 |
| L. P. Hotchkiss | Eau Claire | Rock creek | 5,000 |
| Eugene Britton | do | Hale creek | 5,000 |
| Eugene Britton | do | Elk creek | 5,000 |
| John Hunner | do | Cranberry creek | 5,000 |
| John Hunner | do | Rock creek | 10,000 |
| Thomas Kemp | do | Bear and Clear creeks | 10,000 |
| A. A. Cutter | do | Eighteen mile creek | 5,000 |
| A. A. Cutter | do | Elk creek | 5,000 |
| George F. Winslow | do | Lorres creek | 10,000 |
| William Owens | do | Clear creek | 10,000 |
| B. S. Phillips | do | Twelve mile creek | 5,000 |
| B. S. Phillips | do | Seven mile creek | 5,000 |
| Ralph Rust | do | Five mile creek | 5,000 |
| Ralph Rust | do | Twelve mile creek | 10,000 |
| W. W. Straight | Fairchild | Bremmer creek | 5,000 |
| Sylvester Lynch | do | Schufer creek | 5,000 |
| R. M. McLaren | do | Scott creek | 5,000 |
| E. J. Foster | do | Bove creek | 5,000 |
| | | | 120,000 |
| FOND DU LAC COUNTY— | | | |
| George H. Miller | Fond du Lac. | E. branch Fond du Lac river | 10,000 |
| A. A. Green | do | E. branch Fond du Lac river | 5,000 |
| L. T. Treliven | do | E. branch Fond du Lac river | 5,000 |
| Jas. T. Green | do | E. branch Fond du Lac river | 5,000 |
| S. Brutus Amory | do | Parson's stream | 5,000 |
| H. S. Miller | do | Parson's stream | 5,000 |
| S. D. Wyatt | do | Parson's stream | 5,000 |
| E. C. Martin | do | Parson's stream | 5,000 |
| L. T. McLeon | do | Parson's stream | 5,000 |
| A. C. Wagner | do | De Nevan creek | 5,000 |
| A. B. Dye | do | De Nevan creek | 5,000 |
| H. C. Moore | do | Woolen mill stream | 5,000 |
| P. N. Owentin | do | Woolen mill stream | 5,000 |
| L. C. Brewer | do | Trib. Milwaukee river | 5,000 |
| F. E. Stocks | do | Trib. Milwaukee river | 5,000 |
| H. W. Wilkener | do | Trib. Milwaukee river | 5,000 |
| Chas. F. Geise | do | Trib. Sheboygan river | 5,000 |
| A. C. Blankenberg | do | Trib. Sheboygan river | 5,000 |
| A. R. Keating | do | Trib. Sheboygan river | 5,000 |
| | | | 100,000 |
| GRANT COUNTY— | | | |
| Fred Postel | Muscoda | Wall branch | 5,000 |
| John Campbell | Byrds Creek | Byrds creek | 5,000 |
| Joseph Frost | Avoca | Morey's branch | 5,000 |
| Herbert Dexter | Preston | Thompson creek | 5,000 |
| W. J. Bailie | Lancaster | Bradbury stream | 5,000 |
| C. Tschudi | do | Korber stream | 5,000 |

Brook Trout Distribution, 1893.

BROOK TROUT DISTRIBUTION, 1893—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|--------------------------|--------------------|---------------------------|--------------|
| GRANT COUNTY—Con. | | | |
| Everet A. Utt. | Lancaster. | Harrison creek. | 5,000 |
| W. J. Heathcote. | Preston. | Liggett creek. | 5,000 |
| Ole J. Seim. | Castle Rock. | South Coon branch. | 5,000 |
| Nels Ellingson. | Boscobel. | Bird creek. | 3,000 |
| W. S. Manning. | Muscoda. | Manning's stream. | 5,000 |
| | | | 55,000 |
| GREEN COUNTY— | | | |
| Nic. C. Durst. | New Glarus. | Trib. Little Green river. | 5,000 |
| IOWA COUNTY— | | | |
| E. J. Bennett. | Dodgeville. | Brinker's creek. | 5,000 |
| Ole Edmonds. | do. | Trib E Brn. Pecatonica | 5,000 |
| Richard Kennedy. | Highland. | Big Spring branch. | 5,000 |
| Ricahrd Kennedy. | do. | Big Rock branch. | 5,000 |
| John Rowe, Jr. | Dodgeville. | Rowe's branch. | 5,000 |
| Edward Cullen. | Mineral Point. | Carpenter branch. | 5,000 |
| T. H. Sexton. | Cobb. | Cobb branch. | 5,000 |
| J. M. Mulhain. | Mineral Point. | Tery branch. | 5,000 |
| T. H. Sexton. | Cobb. | Billings branch. | 5,000 |
| T. H. McMurrugh. | Mineral Point. | Phillip's creek. | 5,000 |
| Samuel W. Reese. | Dodgeville. | Blanchard creek. | 5,000 |
| Samuel W. Reese. | do. | Col. Hollow creek. | 5,000 |
| Samuel W. Reese. | do. | Wickham creek. | 5,000 |
| Samuel W. Reese. | do. | Strud creek. | 5,000 |
| W. C. McManus. | Mineral Point. | Tonkin creek. | 5,000 |
| Henry Carpenter. | do. | Carpenter creek. | 5,000 |
| Hugh McDermott. | do. | Cond creek. | 5,000 |
| Wm. C. Neffert. | Arena. | No Name. | 5,000 |
| Solon Knickerbocker. | Wyoming. | Wyoming creek. | 5,000 |
| C. H. Christopher. | Blue Mounds. | Erickson creek. | 5,000 |
| Geo. Fessenfeld. | do. | Velminstin creek. | 5,000 |
| Frank Brunner. | Barneveld. | Walcut Hollow creek. | 5,000 |
| C. W. Scheiler. | do. | do. | 5,000 |
| A. E. Arnesen. | Barber. | Brn. Pecatonica river. | 5,000 |
| | | | 125,000 |
| JACKSON COUNTY— | | | |
| Charles Sechler. | Sechlerville. | Sly creek. | 5,000 |
| Charles Sechler. | do. | Withee's branch. | 5,000 |
| L. T. Branch. | Hixton. | Lanes creek. | 5,000 |
| Gay R. Sechler. | Sechlerville. | Sly creek. | 5,000 |
| J. T. Simpson. | Black River Falls. | Main Squaw creek. | 5,000 |
| J. T. Simpson. | do. | French creek. | 5,000 |
| R. D. Squires. | do. | Squaw creek. | 5,000 |
| R. D. Squires. | do. | Pappoose creek. | 5,000 |
| L. W. Drew. | Trout. | Trout run. | 5,000 |
| | | | 45,000 |
| JEFFERSON COUNTY— | | | |
| C. H. Powers. | Palmyra. | Thos. Maw's creek. | 5,000 |
| LA CROSSE COUNTY— | | | |
| Geo. H. Pooler. | Onalaska. | Halfway creek. | 5,000 |
| Chas. Barber. | do. | Sand Lake creek. | 5,000 |
| John R. Jones. | Rockland. | E. fork, Fish creek. | 5,000 |
| A. Hishheimer. | La Crosse. | N. branch, Coon river. | 5,000 |
| A. Hishheimer. | do. | Bostwick Valley creek. | 5,000 |
| Butters & Price. | Onalaska. | Coolie creek. | 5,000 |
| John Erickson. | Rockland. | Fish creek. | 5,000 |
| Geo. L. Kingsley. | La Crosse. | Sand creek. | 5,000 |
| W. L. Osborne. | do. | Bowers creek. | 10,000 |
| W. J. Scott. | do. | Ahrens creek. | 10,000 |
| R. A. Lord. | do. | Sweeden Coolie creek. | 10,000 |
| M. P. Wing. | do. | Halfway creek. | 5,000 |

Brook Trout Distribution, 1893.

BROOK TROUT DISTRIBUTION, 1893—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|------------------------------|--------------------|-----------------------------|--------------|
| LA CROSSE COUNTY—Con. | | | |
| M. P. Wing | La Crosse | Mormon Coolie creek, .. | 5,000 |
| August Craig | Burr Oak | Jackson creek | 5,000 |
| Mat. Thomson | West Salem | Gill's creek | 5,000 |
| Wenzel Korn | Middle Ridge | Brch., Coon creek | 5,000 |
| John Dawson | La Crosse | Trib. to Mormon creek .. | 10,000 |
| A. C. Hanson | Mindora | Flemming's creek | 5,000 |
| Thomas Barclay | do | do | 5,000 |
| William Smith | Bangor | Dutch creek | 5,000 |
| Peter Areutz | Middle Ridge | Areutz creek | 5,000 |
| | | | 125,000 |
| LA FAYETTE COUNTY— | | | |
| David Slothower | Warren | Middle br'nc'h, Wolf creek | 5,000 |
| Wm. A. Garden | Belmont | Burris branch | 5,000 |
| Wm. A. Garden | do | Harris branch | 5,000 |
| Wm. A. Garden | do | Jones branch | 5,000 |
| | | | 20,000 |
| LINCOLN COUNTY— | | | |
| W. H. Cannon | Merrill | Devil creek and trib. ... | 10,000 |
| Frank Smith | Merrill | Little Hay Meadow creek. | 5,000 |
| | | | 15,000 |
| MARATHON COUNTY— | | | |
| John Gan | Powitowski | Scratch creek | 10,000 |
| Henry French | Wausau | Cold brook | 10,000 |
| H. B. Huntington | do | Huntington creek | 10,000 |
| E. P. Corwith | do | Snow creek | 10,000 |
| J. T. Winkley | do | Clear creek | 10,000 |
| Neal Brown | do | Big Sandy creek | 5,000 |
| Neal Brown | do | Little Rib river | 10,000 |
| Neal Brown | do | Bull Junior creek | 5,000 |
| P. J. Reis | do | Little Rib river | 10,000 |
| H. J. Dera | do | Little Rib river and tribs. | 10,000 |
| Henry Wegel | Dancy | Little Eau Plaine river .. | 5,000 |
| J. O. Pamp | Mosinee | Robert's creek | 5,000 |
| | | | 100,000 |
| MONROE COUNTY— | | | |
| L. F. Wirth | Tomah | Head-waters Lemonweir | 10,000 |
| H. A. Noth | do | Trout creek | 10,000 |
| C. K. Erwin | do | Mill creek | 10,000 |
| H. C. Calkins | do | Vandervoort creek | 10,000 |
| E. M. Hamilton | do | Mud creek | 10,000 |
| M. E. Hiasman | do | Council creek | 10,000 |
| C. A. Thayer | Sparta | Sparta creek | 10,000 |
| O. J. Eaton | Tomah | Flora creek | 10,000 |
| Thomas McCane | do | Beer creek | 10,000 |
| J. H. Smith | do | Tributary of Lemonweir. | 5,000 |
| J. H. Smith | do | Tarr creek | 5,000 |
| E. Daveaport | Tunnel City | Head-waters Tan creek .. | 5,000 |
| S. Sloggy | Ontario | Brush creek | 10,000 |
| Edward Sloggy | do | Billing's creek | 5,000 |
| Frank Herfort | Baraboo | Palmer's creek | 5,000 |
| C. H. Campbell | Cahton | Head of Brush creek | 5,000 |
| John J. French | Sparta | Jewell creek | 10,000 |
| D. W. Cheeney | do | Silver creek | 10,000 |
| Fred Gross | do | Big creek | 5,000 |
| Fred Gross | do | Beaver creek | 5,000 |
| William A. Thayer | do | Squaw creek | 10,000 |
| J. Morrow | do | Bailey creek | 10,000 |
| | | | 185,000 |
| ONEIDA COUNTY— | | | |
| Yawkey & Lee Lumber Co. | Hazlehurst | Clear creek | 10,000 |

Brook Trout Distribution, 1893.

BROOK TROUT DISTRIBUTION, 1893—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of Fish. |
|----------------------------|-----------------|-------------------------------|--------------|
| PIERCE COUNTY— | | | |
| W. E. Warren | Ellsworth | Cave creek | 5,000 |
| J. T. Bowers | do | Trimbelle creek | 5,000 |
| A. Combacher | do | Lost creek | 5,000 |
| J. B. Jensen | do | Isabel creek | 5,000 |
| J. L. Moody | do | Rush river | 5,000 |
| William Bernard | Lost Creek | Lost Creek | 5,000 |
| Leach & Langer | Trimbelle | Trimbelle river | 5,000 |
| F. J. Burhyte | River Falls | Foster's spring | 5,000 |
| J. W. Bradshaw | do | Kinickinick, S. branch | 5,000 |
| Martin Olson | do | Rocky branch | 5,000 |
| | | | 50,000 |
| RICHLAND COUNTY— | | | |
| Mrs. F. M. Stevenson | Buck Creek | Little Willow creek | 5,000 |
| N. L. James | Richland Center | Hazeltine creek | 5,000 |
| N. L. James | do | Piers creek | 5,000 |
| A. Beckwith | Dixon | Little Bear creek | 5,000 |
| E. H. Parfrey | Richland Center | Willow creek | 10,000 |
| W. H. Pier | do | Trib. west branch Pine river | 5,000 |
| J. E. Coffland | do | Babbs branch | 5,000 |
| R. C. Smith | do | Little Willow creek | 5,000 |
| G. H. Strong | do | Tributary, Willow creek | 5,000 |
| E. W. Elliott | Byrds Creek | Byrds creek | 5,000 |
| L. S. Chitwood | Excelsior | Tributary, Knapps creek | 5,000 |
| M. J. McDermott | do | Branch of Knapps creek | 5,000 |
| J. A. Collins | do | English creek | 5,000 |
| | | | 70,000 |
| ROCK COUNTY— | | | |
| B. W. Hubbard | Evansville | Allen's creek | 10,000 |
| ST. CROIX COUNTY— | | | |
| C. A. Greene | Hudson | Willow river (above falls) | 5,000 |
| Geo. A. Williams | River Falls | Ney's creek | 5,000 |
| | | | 10,000 |
| SAUK COUNTY— | | | |
| Peter Wilkinson | Baraboo | Leech creek | 5,000 |
| Adlebert Fish | Reedsburg | Dell creek | 5,000 |
| F. M. Baker | do | Babb's creek | 5,000 |
| David Rowe, Jr. | Lime Ridge | Willow creek | 5,000 |
| F. F. Kitson | Cazenovia | Tributary, Little Baraboo | 5,000 |
| R. Greenwood | Reedsburg | Twin creek | 5,000 |
| Anson Priest | do | Babb's creek | 5,000 |
| S. Mackey | do | Dell creek | 5,000 |
| Brown & Davis | Spring Green | Wyoming creek | 5,000 |
| | | | 45,000 |
| TREMPEALEAU COUNTY— | | | |
| D. L. Holcomb | Arcadia | Newcomb creek | 5,000 |
| Virgil Borst | Independence | Borst creek | 5,000 |
| Foster O. Halstad | Chimney Rock | E. branch, Chimney Rock creek | 5,000 |
| J. D. Olds | Pigeon Falls | Olds creek | 5,000 |
| F. E. Shappee | Independence | Elk creek | 5,000 |
| Christian Amundson | do | Travers valley creek | 5,000 |
| Iver Nelson Kalve | do | Borst valley creek | 5,000 |
| H. E. Hotchkiss | Osseo | King's creek | 5,000 |
| C. E. Yeomans | do | Trout creek | 5,000 |
| C. E. Yeomans | do | Big creek | 5,000 |
| J. D. Cooper | Eleva | Cooper creek | 5,000 |
| L. D. Nogle | do | Rossman creek | 5,000 |
| | | | 60,000 |

Brook Trout Distribution, 1893.

BROOK TROUT DISTRIBUTION, 1893—Continued.

| Name of applicant. | Postoffice. | Where planted. | No. of fish. |
|--------------------------|---------------------|--------------------------------|--------------|
| VERNON COUNTY— | | | |
| Ole N. Lien | Westby | Upper Stream creek | 5,000 |
| Brown Olson | do | West Kickapoo | 5,000 |
| Gus Morterud | Bloomingsdale | Gillette brch., Kickapoo | 5,000 |
| John A. Neparud | Coon Valley | Coon creek | 5,000 |
| Louis Tontin | Westby | Upper Spring creek | 5,000 |
| C. T. Shannon | do | Spring creek | 5,000 |
| J. K. Shines | do | Timber creek | 5,000 |
| Alex. Kolling | do | Boglin creek | 5,000 |
| S. B. Reque | do | Alum creek | 5,000 |
| Shomas Sandbokken | Lovass | Lower Coon creek | 5,000 |
| J. Melgoord | do | West branch | 5,000 |
| Hans Simenson | do | Coon creek | 5,000 |
| John C. Baglin | do | Upper Coon creek | 5,000 |
| M. A. Ueland | Westoy | Spring creek | 5,000 |
| | | | 70,000 |
| WALWORTH COUNTY— | | | |
| B. Bulkley | Whitewater | Gould's Stream | 5,000 |
| Chas. S. Weeks | do | Territorial creek | 5,000 |
| Chas. S. Weeks | do | Bradway's creek | 5,000 |
| Henry M. Trippe | do | Lima stream | 5,000 |
| Edward Engebre sen | do | Conlin's stream | 10,000 |
| Geo. V. Phillips | do | Territorial creek | 5,000 |
| | | | 35,000 |
| WAUKESHA COUNTY— | | | |
| Ernest Boettcher | Prospect | Blessinger's creek | 5,000 |
| E. T. Taylor | Mukwonago | Spring brook | 5,000 |
| Wallace Goff | Vernon | Stewart's creek | 5,000 |
| Geo. Henderson | Eagle | Jericho creek | 5,000 |
| John J. Ryan | Genessee | Willow creek | 5,000 |
| | | | 25,000 |
| Total for 1893 ..... | ..... | ..... | 1,615,000 |

*Summary of Trout Distribution.*SUMMARY BY COUNTIES OF TROUT DISTRIBUTION,
1893 AND 1894.

| COUNTIES. | BROOK TROUT. | | RAINBOW TROUT. | |
|------------------|--------------|---------|----------------|---------|
| | 1893. | 1894. | 1893. | 1894. |
| Adams..... | Nil. | 10,000 | 5,000 | 20,000 |
| Ashland..... | Nil. | Nil. | 5,000 | 10,000 |
| Barron..... | 45,000 | 190,000 | 45,000 | 60,000 |
| Bayfield..... | Nil. | 20,000 | 5,000 | Nil. |
| Brown..... | Nil. | Nil. | 25,000 | 120,000 |
| Buffalo..... | 15,000 | 50,000 | 25,000 | 50,000 |
| Burnett..... | Nil. | Nil. | Nil. | Nil. |
| Calumet..... | Nil. | Nil. | Nil. | 10,000 |
| Chippewa..... | Nil. | 60,000 | 35,000 | 45,000 |
| Clark..... | Nil. | 10,000 | 5,000 | 20,000 |
| Columbia..... | 5,000 | 20,000 | 35,000 | 10,000 |
| Crawford..... | 90,000 | 70,000 | 25,000 | 65,000 |
| Dane..... | 40,000 | 70,000 | 20,000 | Nil. |
| Dodge..... | 40,000 | 50,000 | 15,000 | Nil. |
| Door..... | 50,000 | Nil. | Nil. | 10,000 |
| Douglas..... | Nil. | 10,000 | 5,000 | 95,000 |
| Dunn..... | 45,000 | 100,000 | 60,000 | 60,000 |
| Eau Claire..... | 120,000 | 120,000 | 15,000 | Nil. |
| Florence..... | Nil. | Nil. | 40,000 | Nil. |
| Fond du Lac..... | 100,000 | 120,000 | 50,000 | 90,000 |
| Forest..... | Nil. | Nil. | Nil. | Nil. |
| Grant..... | 55,000 | 200,000 | 35,000 | 65,000 |
| Green..... | 5,000 | 20,000 | Nil. | Nil. |
| Green Lake..... | Nil. | 50,000 | 10,000 | Nil. |
| Iowa..... | 125,000 | 140,000 | 5,000 | 10,000 |
| Jackson..... | 45,000 | 135,000 | 30,000 | Nil. |
| Iron..... | Nil. | Nil. | 10,000 | Nil. |
| Jefferson..... | 5,000 | 40,000 | Nil. | Nil. |
| Juneau..... | Nil. | 70,000 | 55,000 | 65,000 |
| Kenosha..... | Nil. | Nil. | Nil. | Nil. |
| Kewaunee..... | Nil. | Nil. | Nil. | Nil. |
| La Crosse..... | 125,000 | 195,000 | 50,000 | 65,000 |
| La Fayette..... | 20,000 | 70,000 | Nil. | Nil. |
| Langlade..... | 15,000 | Nil. | Nil. | 60,000 |
| Lincoln..... | 15,000 | 40,000 | 40,000 | 10,000 |
| Manitowoc..... | Nil. | Nil. | 5,000 | 10,000 |
| Marathon..... | 100,000 | 150,000 | 105,000 | 150,000 |
| Marinette..... | Nil. | Nil. | 125,000 | 550,000 |
| Marquette..... | Nil. | 45,000 | Nil. | 20,000 |
| Milwaukee..... | Nil. | Nil. | 5,000 | Nil. |
| Monroe..... | 185,000 | 270,000 | Nil. | 80,000 |
| Oconto..... | Nil. | Nil. | 30,000 | 130,000 |
| Oneida..... | 10,000 | Nil. | 10,000 | 130,000 |
| Outagamie..... | Nil. | Nil. | 55,000 | 10,000 |
| Ozaukee..... | Nil. | Nil. | Nil. | Nil. |
| Pepin..... | Nil. | 30,000 | Nil. | 40,000 |
| Pierce..... | 50,000 | 90,000 | 65,000 | 10,000 |
| Polk..... | Nil. | 10,000 | Nil. | 10,000 |
| Portage..... | Nil. | 60,000 | 20,000 | 10,000 |
| Price..... | Nil. | Nil. | 55,000 | 120,000 |
| Racine..... | Nil. | Nil. | 30,000 | Nil. |
| Richland..... | 70,000 | 140,000 | 25,000 | 85,000 |
| Rock..... | 10,000 | 60,000 | Nil. | Nil. |
| St. Croix..... | 10,000 | 20,000 | 35,000 | 60,000 |
| Sauk..... | 45,000 | 175,000 | Nil. | 39,000 |
| Sawyer..... | Nil. | Nil. | Nil. | Nil. |
| Shawano..... | 40,000 | 25,000 | 50,000 | 155,000 |
| Sheboygan..... | Nil. | Nil. | 25,000 | 160,000 |

*Summary of Trout Distribution.*SUMMARY BY COUNTIES OF TROUT DISTRIBUTION,
1893 AND 1894—Continued.

| COUNTIES. | BROOK TROUT. | | RAINBOW TROUT. | |
|------------------|--------------|-----------|----------------|-----------|
| | 1893. | 1894. | 1893. | 1894. |
| Taylor..... | Nil | Nil. | Nil. | Nil. |
| Trempealeau..... | 60,000 | 235,000 | Nil. | Nil. |
| Vernon..... | 70,000 | 90,000 | Nil. | Nil. |
| Vilas..... | Nil. | Nil. | 40,000 | 50,000 |
| Walworth..... | 35,000 | 60,000 | Nil. | Nil. |
| Washington..... | Nil. | 40,000 | 5,000 | 10,000 |
| Washburn..... | Nil. | 70,000 | Nil. | 20,000 |
| Waukesha..... | 25,000 | 40,000 | 10,000 | Nil. |
| Waupaca..... | Nil. | 125,000 | 75,000 | 80,000 |
| Waushara..... | Nil. | 180,000 | 45,000 | Nil. |
| Winnebago..... | Nil. | Nil. | 5,000 | Nil. |
| Wood..... | Nil. | 20,000 | 35,000 | Nil. |
| Totals..... | 1,615,000 | 3,665,000 | 1,675,000 | 2,555,000 |

DISTRIBUTION OF IMPREGNATED LAKE TROUT EGGS.

| Planted from boats fishing off from— | 1893. | 1894. |
|--------------------------------------|------------|------------|
| Sturgeon Bay | 5,040,000 | 4,102,000 |
| Milwaukee..... | 6,300,000 | 4,132,000 |
| Kenosha | 1,890,000 | 1,987,500 |
| Detroit Harbor..... | 862,500 | Nil. |
| Manistique..... | 157,500 | Nil. |
| Fish creek..... | Nil. | 555,000 |
| Totals. | 14,249,000 | 10,977,000 |

DISTRIBUTION OF FULL-GROWN BROOK TROUT.

| | |
|---|-------|
| Planted in Nine spring creek (Dane county)..... | 3,547 |
| Planted in streams in the vicinity of Wausaukee (Marinette county)..... | 1,350 |
| Planted in streams in the vicinity of Bangor (La Crosse county)..... | 1,000 |
| Planted in Dousman creek (Crawford county)..... | 550 |
| Total | 6,447 |

The fish planted as shown in above table were full-grown male trout, which had accrued in the ponds in excess of the number required to impregnate the eggs of the stock of females on hand.

Black Bass Distribution.

BLACK BASS DISTRIBUTION, 1893.

| Where planted. | No. of fish. |
|---------------------------------------|--------------|
| Lake Geneva, Walworth county..... | 10,000 |
| LaBelle lake, Waukesha county..... | 3,000 |
| Oconomowoc lake, Waukesha county..... | 3,000 |
| Rock river (at Watertown) .. | 5,000 |
| Okauchee lake, Waukesha county..... | 4,000 |
| Nashotah lake, Waukesha county..... | 4,000 |
| Total for 1893. | 29,000 |

BLACK BASS DISTRIBUTION, 1894.

| Where planted. | No. of fish. |
|---|--------------|
| Devil's lake, Sauk county..... | 2,500 |
| Rock river (at Mayville) | 5,000 |
| Clear lake, Lincoln county | 2,000 |
| Tomahawk lake, Lincoln county..... | 1,000 |
| Rib lake, Lincoln county..... | 1,000 |
| Moose lake, Lincoln county | 1,000 |
| Silver lake, Lincoln county | 1,000 |
| Rock river (at Janesville)..... | 2,000 |
| Pecatonica river (at Darlington)..... | 2,000 |
| Mineral Point branch, Iowa county..... | 2,000 |
| Chain o'lakes, vicinity of Waupaca..... | 8,000 |
| Lake DeNevan, Fond du Lac county..... | 2,500 |
| Green lake, Green Lake county | 4,000 |
| Newton lake, Marinette county..... | 2,000 |
| Bass lake, Marinette county..... | 2,000 |
| Deer Lake, Marinette county..... | 2,000 |
| Popple lake, Chippewa county..... | 3,000 |
| Bardonia lake, Douglas county..... | 1,000 |
| Bond lake, Douglas county..... | 1,000 |
| Round lake, Douglas county..... | 1,000 |
| Pewaukee lake, Waukesha county..... | 6,000 |
| Stockman lake, Waukesha county..... | 3,000 |
| Brown's lake, Racine county | 4,000 |
| Rock lake, Jefferson county | 4,000 |
| Kurtz lake, Milwaukee county..... | 1,000 |
| Root lake, Milwaukee county..... | 1,000 |
| Lake Mendota, Dane county..... | 8,000 |
| Total for 1894..... | 73,000 |

Whitefish Distribution.

WHITE BASS DISTRIBUTION, 1894.

| Where planted. | No. of fish. |
|--|--------------|
| Delavan lake, Walworth county..... | 300 |
| Green lake, Green Lake county..... | 600 |
| Pike lake, Washington county..... | 800 |
| Nagawicka Lake, Waukesha county..... | 800 |
| Pardeeville lake, Columbia county..... | 300 |
| Mission lake, Waukesha county..... | 500 |
| Elkhart lake, Sheboygan county..... | 400 |
| Rock river (at Fort Atkinson)..... | 400 |
| Lake Como, Walworth county..... | 460 |
| Lake LaBelle, Waukesha county..... | 200 |
| Oconomowoc lake, Waukesha county..... | 200 |
| Total for 1894..... | 4,960 |

The white bass distributed as per above table, were mature or full grown fish, full of spawn.

WHITEFISH DISTRIBUTION.

| Name of place where planted. | 1893. | 1894. |
|--|------------|------------|
| Off from Port Washington harbor..... | 5,000,000 | ..... |
| Off from Two Rivers..... | 3,000,000 | 6,000,000 |
| Off from Sheboygan harbor..... | 2,000,000 | 3,000,000 |
| Off from Kenosha..... | 2,000,000 | Nil. |
| Off from Racine..... | 2,000,000 | Nil. |
| Off from Little Sturgeon..... | 4,000,000 | 1,000,000 |
| Off from Oconto harbor..... | 2,000,000 | 1,000,000 |
| Off from Peshtigo..... | 2,000,000 | 1,000,000 |
| At the mouth of Big Sturgeon..... | 4,000,000 | Nil. |
| Off from Green Island..... | 2,000,000 | 3,000,000 |
| Off from Chambers Island..... | 2,000,000 | 3,000,000 |
| Off from Shoemakers Point (on reef)..... | Nil. | 3,000,000 |
| Off from Long Point..... | Nil. | 3,000,000 |
| Off from Squaw Island..... | Nil. | 3,000,000 |
| Off from Round Island..... | Nil. | 3,000,000 |
| Off from Bayfield..... | 3,000,000 | Nil. |
| Off from Madeline Island..... | Nil. | 3,000,000 |
| In Chequamegon Bay..... | 2,000,000 | Nil. |
| In Pikes Bay..... | Nil. | 3,000,000 |
| Totals..... | 35,000,000 | 36,000,000 |

Statistics of Lake Fisheries.

STATISTICS OF LAKE FISHERIES, 1893 AND 1894.

| VARIETY. | NUMBER OF POUNDS CAUGHT, 1894. | | | | |
|------------------|--------------------------------|----------------|------------|----------------|--------------------|
| | Lake Michigan. | Lake Superior. | Green Bay. | Lake Winnebago | Mississippi River. |
| Whitefish..... | 20,325 | 250,600 | 450,000 | ..... | ..... |
| Lake trout..... | 2,454,000 | 1,100,125 | 2,950,025 | ..... | ..... |
| Herring..... | 2,800,200 | 1,065,000 | 10,100,322 | ..... | ..... |
| Blue fins..... | 1,475,895 | ..... | 60,000 | ..... | ..... |
| Perch..... | ..... | ..... | 500,075 | ..... | ..... |
| Black bass..... | ..... | ..... | 4,000 | ..... | ..... |
| Other kinds..... | 350,000 | 45,200 | 1,200,175 | ..... | ..... |
| All kinds..... | ..... | ..... | ..... | 1,748,000 | *2,225,000 |
| Totals..... | 7,800,420 | 2,460,925 | 15,264,597 | 1,748,000 | 2,225,000 |

Grand total, 28,998,942.

*Estimated catch.

STATISTICS OF LAKE FISHERIES, 1893 AND 1894.

| VARIETY. | NUMBER OF POUNDS CAUGHT, 1893. | | | | |
|------------------|--------------------------------|----------------|------------|----------------|--------------------|
| | Lake Michigan. | Lake Superior. | Green Bay. | Lake Winnebago | Mississippi river. |
| Whitefish..... | 25,000 | 300,611 | 392,100 | ..... | ..... |
| Lake trout..... | 2,604,000 | 1,102,000 | 3,261,000 | ..... | ..... |
| Herring..... | 3,305,125 | 1,525,222 | 11,892,130 | ..... | ..... |
| Blue fins..... | 2,500,300 | ..... | 63,000 | ..... | ..... |
| Perch..... | ..... | ..... | 6,208,075 | ..... | ..... |
| Black bass..... | ..... | ..... | 4,000 | ..... | ..... |
| Other kinds..... | 419,000 | 150,412 | 2,425,025 | ..... | ..... |
| All kinds..... | ..... | ..... | ..... | 1,936,025 | *2,000,000 |
| Totals..... | 8,853,425 | 3,078,245 | 24,245,330 | 1,936,025 | 2,000,000 |

Grand total, 40,113,025.

*Estimated catch.

Summary of Fish Statistics.

PROPERTY AND MEN, 1894.

| | LAKE MICHIGAN. | | LAKE SUPERIOR. | | GREEN BAY. | | LAKE WINNEBAGO. | |
|---------------------------|----------------|-----------|----------------|---------|------------|----------|-----------------|---------|
| | No. | Value. | No. | Value. | No. | Value. | No. | Value. |
| Gill nets..... | 24,242 | \$116,448 | 1,720 | \$6,240 | 3,700 | \$14,800 | 965 | \$5,325 |
| Pound nets..... | 400 | 88,920 | 97 | 9,540 | 280 | 56,000 | ..... | ..... |
| Hoop nets..... | 950 | 1,500 | ..... | ..... | 2,000 | 30,000 | 410 | 2,225 |
| Seines..... | 15 | 1,412 | ..... | ..... | 15 | 1,800 | ..... | ..... |
| Men employed..... | 600 | ..... | 200 | ..... | 400 | ..... | 240 | ..... |
| Docks and build-ings..... | ..... | 140,758 | ..... | 9,000 | ..... | 200,500 | ..... | 3,000 |
| Other property..... | ..... | 30,460 | ..... | 2,500 | ..... | 15,000 | ..... | ..... |
| Boats used..... | 375 | 140,640 | 40 | 27,500 | 200 | 6,000 | 118 | 6,710 |

SUMMARY OF FISH STATISTICS, 1893 AND 1894.

In Wisconsin waters, in Lakes Superior, Michigan and Green Bay.

| Year. | No. of pounds. | Value. | No. nets. | Value. | Persons employed. | No. of boats. | Value. | Total value of all property. |
|------------|----------------|-------------|-----------|-----------|-------------------|---------------|-----------|------------------------------|
| 1893 | 40,113,025 | \$1,203,395 | 33,827 | \$326,990 | 1,185 | 590 | \$195,713 | \$918,363 |
| 1894 | 28,998,942 | 869,737 | 35,014 | 334,210 | 1,440 | 733 | 280,850 | 1,016,278 |

Statistics of Fisheries of the U. S.

STATISTICS PERTAINING TO THE FISHERIES OF THE UNITED STATES.

Showing Value of Products, Land and Water Areas, Amount of State Appropriations, and Amount Appropriated per Square Mile of Land and Water Areas.—Compiled by A. G. Fletcher.

| STATES. | Value of fishery products. | Square miles of area. | Miles of coast line. | Square miles of coast (bays, gulfs, etc.) | Square miles of rivers and streams. | Square miles of lakes and ponds. | Square miles of water area. | Amount appropriated. | Amount per square mile total area. | Amount per square mile coast waters and line. | Amount per square mile fresh water. | Amount per square mile total water area and coast line. |
|----------------|----------------------------|-----------------------|----------------------|---|-------------------------------------|----------------------------------|-----------------------------|----------------------|------------------------------------|---|-------------------------------------|---|
| Massachusetts | \$7,531,194 | 8,315 | 760 | 125 | 40 | 90 | 275 | \$15,700 | \$1.89 | \$17.74 | \$104.67 | \$15.17 |
| Maryland | 6,460,759 | 12,210 | 705 | 1,850 | 500 | ... | 2,350 | 10,000 | 3.73 | 27.39 | 20.00 | 22.91 |
| New York | 5,041,259 | 49,170 | 544 | 1,450 | 300 | 900 | 1,550 | 45,050 | 1.34 | 66.43 | 55.04 | 31.54 |
| Virginia | 3,641,352 | 42,450 | 766 | 1,780 | 590 | 25 | 2,225 | 3,000 | 1.07 | 1.18 | 5.50 | 97 |
| New Jersey | 3,625,890 | 7,815 | 715 | 1,515 | 180 | 35 | 1,650 | 12,000 | 1.51 | 9.76 | 77.42 | 8.66 |
| California | 3,014,531 | 158,360 | 1,092 | 510 | 240 | 1,600 | 2,380 | 17,500 | 1.3 | 12.75 | 11.34 | +6.00 |
| Maine | 2,925,805 | 33,040 | 1,463 | 515 | 300 | 2,800 | 3,115 | 16,500 | 1.80 | 8.22 | 6.35 | 3.58 |
| Connecticut | 1,571,413 | 4,990 | 1,532 | 25 | 80 | ... | 2,300 | 8,000 | 1.20 | 50.85 | 75.00 | 30.30 |
| Washington | 934,910 | 69,180 | 1,738 | 1,350 | 560 | 960 | 1,455 | 31,885 | 34 | 15.77 | 19.54 | +4.46 |
| Michigan | 924,005 | 58,915 | ... | ... | 200 | 1,225 | 1,470 | 4,500 | 0.5 | 13.43 | 21.54 | 21.54 |
| Oregon | 868,406 | 96,030 | 285 | ... | 500 | 920 | 1,470 | 4,500 | 0.5 | ... | 3.17 | 2.56 |
| Ohio | 618,633 | 45,215 | ... | ... | 140 | 160 | 300 | 3,673 | 0.9 | ... | 12.26 | 12.26 |
| Pennsylvania | 495,753 | 41,060 | ... | ... | 200 | 30 | 250 | 22,500 | 50 | ... | 97.82 | 97.82 |
| Wisconsin | 398,885 | 46,040 | ... | ... | 420 | 1,170 | 1,500 | 20,500 | 36 | ... | 12.77 | 12.77 |
| Idaho | 295,865 | 2,050 | 104 | 310 | 60 | ... | 400 | 500 | 34 | 1.13 | 8.33 | 8.33 |
| South Carolina | 202,603 | 20,470 | 947 | 215 | 180 | ... | 405 | 1,025 | 0.5 | 88 | 5.54 | 7.99 |
| Georgia | 123,563 | 50,470 | 444 | 150 | 300 | 45 | 435 | 500 | 01 | 84 | 1.45 | 53 |
| New Hampshire | 11,911 | 3,303 | 195 | ... | 80 | 220 | 300 | 4,000 | 43 | 205.13 | 13.33 | 12.82 |
| Illinois | 28,893 | 56,300 | ... | ... | 515 | 135 | 650 | 10,000 | 18 | ... | 15.38 | 15.38 |
| Indiana | 21,688 | 33,300 | ... | ... | 330 | 110 | 440 | 800 | 02 | ... | 1.82 | 1.82 |
| Minnesota | 6,335 | 83,365 | ... | ... | 300 | 3,800 | 4,160 | 15,000 | 18 | ... | 3.61 | 3.61 |
| Vermont | ... | 3,565 | ... | ... | 50 | 380 | 430 | 7,000 | 73 | ... | 16.28 | 16.28 |
| Colorado | 103,925 | 10,700 | ... | ... | 270 | 10 | 280 | 15,400 | 15 | ... | 55.00 | 55.00 |
| Nebraska | 72,855 | 76,855 | ... | ... | 630 | 40 | 670 | 7,700 | 10 | ... | 11.49 | 11.49 |
| Iowa | 56,025 | 56,025 | ... | ... | 460 | 100 | 550 | 3,000 | 05 | ... | 5.45 | 5.45 |
| Missouri | 63,415 | 50 | ... | ... | 630 | ... | 680 | 4,500 | 06 | ... | 6.62 | 6.62 |
| Wyoming | 97,850 | 97,850 | ... | ... | 85 | 230 | 315 | 5,200 | 05 | ... | 15.61 | 15.61 |

Statistics of Fisheries of the U. S.

STATISTICS PERTAINING TO THE FISHERIES OF THE UNITED STATES—Continued.

| STATES. | Value of fishery products. | Square miles of area. | Miles of coast line. | Square miles of coast waters (bays, gulfs, etc.) | Square miles of rivers and streams. | Square miles of lakes and ponds. | Square miles of water area. | Amount appropriated. | Amount per square mile total area. | Amount per square mile coast waters and line. | Amount per square mile fresh water. | Amount per square mile total water area and coast line. |
|---------------------|----------------------------|-----------------------|----------------------|--|-------------------------------------|----------------------------------|-----------------------------|----------------------|------------------------------------|---|-------------------------------------|---|
| Kansas | | 82,080 | ..... | ..... | 380 | ..... | 380 | \$500 | \$01 | ..... | \$1 32 | \$1 32 |
| West Virginia | | 24,780 | ..... | ..... | 135 | ..... | 135 | 500 | 02 | ..... | 3 70 | 3 70 |
| Nevada | | 110,700 | ..... | ..... | 35 | 925 | 960 | 1,500 | 01 | ..... | 1 56 | 1 56 |

* In figuring, \$60,000 is added. This is revenue received from oysterman, and is used in protecting the oyster industry.

† In figuring, \$10,000 is added. This is revenue received from permanent contrivances for catching salmon.

‡ In figuring, \$3,500 is added. This is revenue received from net fishermen.

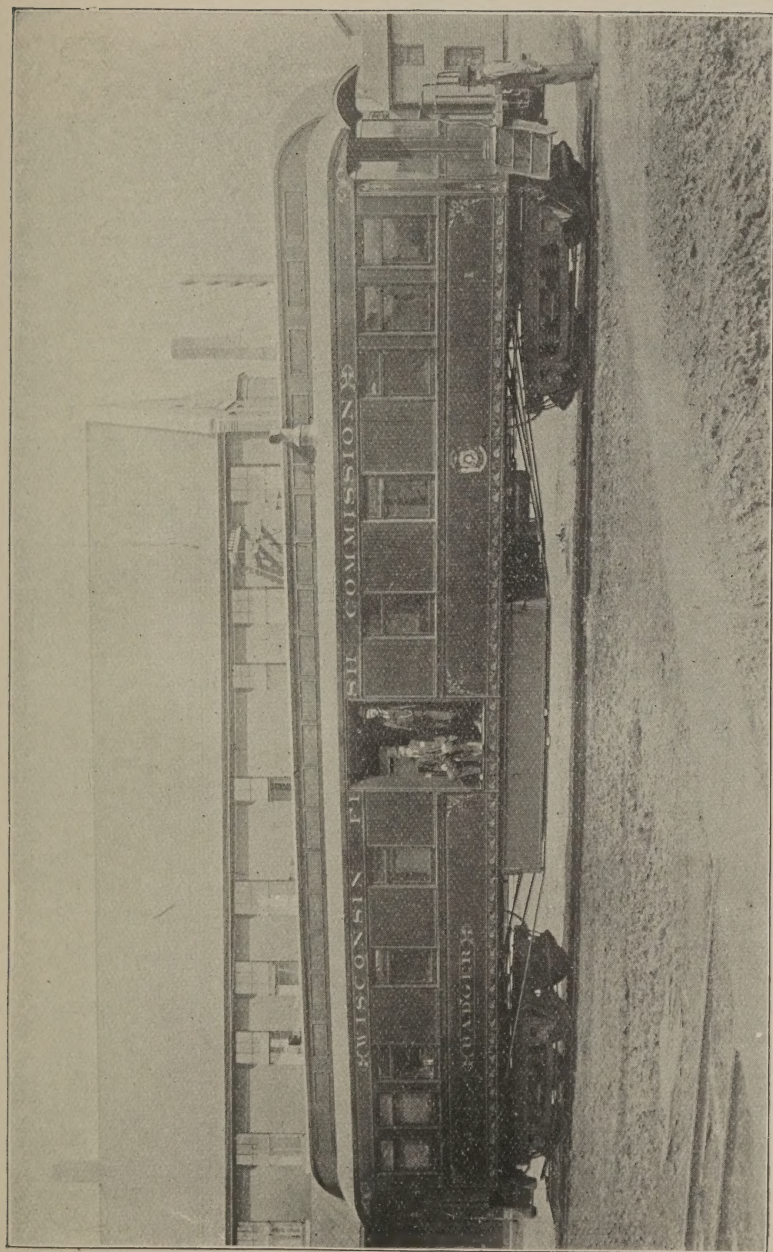
EXPLANATORY.

The amounts shown by this table are, with few exceptions, the appropriations for 1893. To these amounts should be added the sum derived from fines in almost every state—not large amounts, but still a source of revenue.

The figures of the coast waters include the simoities only, although each state has jurisdiction three miles from shore. For convenience the length of coast-line is added to the square miles of coast water area, in estimating amount allowed per square mile of same, instead of multiplying that length by three before adding. This is, perhaps, a better method, because of the fact that the protection given to coast waters is, with few exceptions, along the shore.

The value of products given are for 1892, and taken from "Statistics of the Fisheries of the United States," by Dr. H. M. Smith, of the U. S. Commission of Fish and Fisheries. The coast-line figures were furnished by the U. S. Coast and Geodetic Survey.

The areas of land and water are taken from L. P. McCarty's "Annual Statistician," and are approximate areas made from careful estimates at the Bureau of Statistics, Washington, D. C.



Wisconsin Fish Car "Badger."

1893-1894

UNIVERSITY OF ILLINOIS - URBANA



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